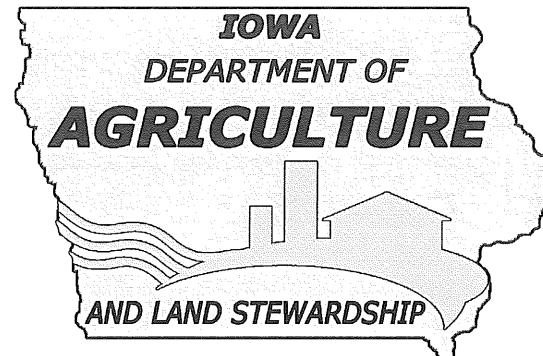


Iowa Department of Agriculture & Land Stewardship  
BILL NORTHEY, Secretary of Agriculture

STATE CLIMATOLOGIST OFFICE

# IOWA CLIMATE REVIEW

VOLUME 29, NUMBER 6  
JUNE 2015



The cooperation of the National Weather Service offices at Davenport, Johnston (Des Moines), La Crosse, Sioux Falls and Valley (Omaha) and their network of volunteer weather observers across Iowa in providing the data used in compiling this report is gratefully acknowledged.

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The climatic data used in this report are compiled from official records on file at the State Climatologist Office in Johnston. Some of these data are of a preliminary nature and are subject to change without notice. Differences may exist in data values published here and those subsequently published in the U.S. Department of Commerce report *Climatological Data Iowa* due to use of differing quality control procedures.

## IOWA MONTHLY WEATHER SUMMARY – JUNE 2015

General Summary. Temperatures averaged 69.6° or 0.1° below normal while precipitation totaled 6.43 inches or 1.41 inches above normal. This ranks as the 72<sup>nd</sup> warmest and 22<sup>nd</sup> wettest June among 143 years of records.

Temperatures. Unseasonably cool weather prevailed for the first two days of June with Elkader reporting a morning low of 36° on the 1<sup>st</sup>. However, the warmest weather of the month soon followed with above normal readings from the 3<sup>rd</sup> through the 10<sup>th</sup>. The 9<sup>th</sup> and 10<sup>th</sup> were the hottest days with a high of 99° at Sioux City on the 9<sup>th</sup> with 97° maximums at Clarinda, Shenandoah and Sidney on the 10<sup>th</sup>. The last three weeks of the month were mostly on the cool side of normal but with daily averages never more than five degrees away from normal. Temperature extremes for the second one-half of the month varied from a high of 97° at Lamoni on the 20<sup>th</sup> to a low of 48° at Sanborn on the 16<sup>th</sup>.

Cooling Degree Day Totals. Home air conditioning requirements, as estimated by cooling degree day totals, averaged 7% less than normal and 11% less than last June. Cooling degree day totals thus far this air conditioning season are running 12% less than normal and 22% less than at this time last year.

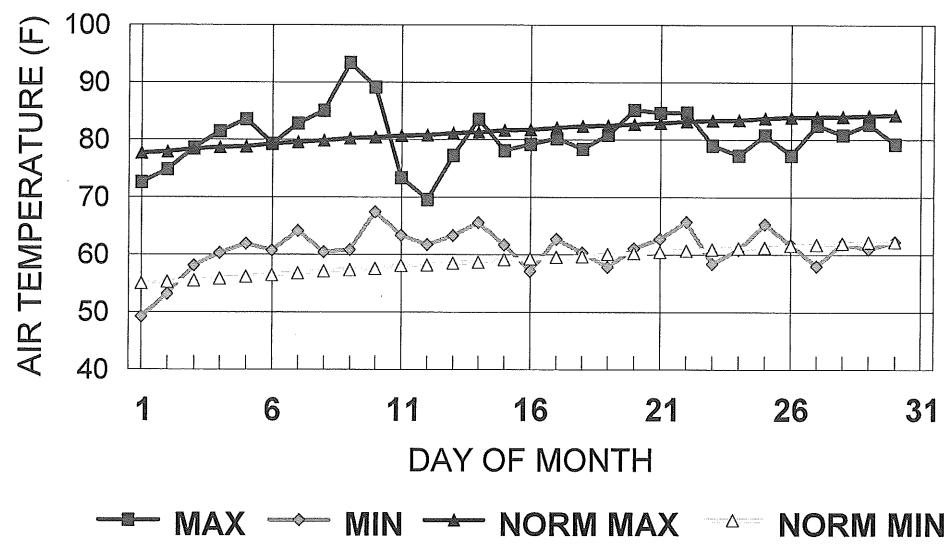
Precipitation. A relatively dry period prevailed for the first seven days of June, however rain was frequent for the remainder of the month. Greatest rains fell from the 10<sup>th</sup> to the 12<sup>th</sup> and 20<sup>th</sup> through the 25<sup>th</sup>. Rains with the first wet period were especially heavy in far southwest Iowa and in the Cedar Rapids area where amounts of 4 to 6 inches were common. The most intense rains of the month fell on the night of the 24<sup>th</sup> across central Iowa from Greene County

southeast to Monroe County. Columbia in Marion County recorded the most rain with 7.30 inches. The Raccoon River (at Fleur Drive) and the Des Moines River (at SE 6<sup>th</sup> St.) in Des Moines both recorded their third highest crests of record on June 26 (behind 1993 and 2008). However, monthly rain totals were below normal over parts of northern Iowa, particularly in the northwest where amounts were only about one-half of normal in Sioux, O'Brien, Clay, Dickinson and Emmet counties. June rain totals varied from 2.07 inches at Everly to 13.54 inches at Waukeee. This was the second wettest June on record at Bloomfield, Donnellson, Guthrie Center and Vinton.

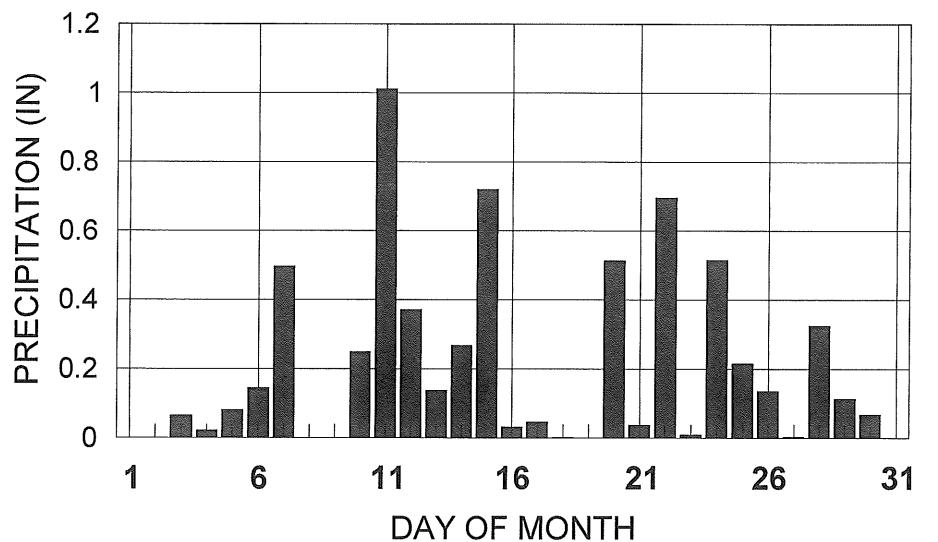
Severe Weather. Severe weather was more frequent than in previous months this year with hail or high winds reported somewhere in the state on 13 days during the month. The most widespread severe weather occurred on the 20<sup>th</sup>, 22<sup>nd</sup> and 24<sup>th</sup>. The most noteworthy outbreak was on 22<sup>nd</sup> when a derecho brought widespread damaging winds to much of the northern one-third of the state during the morning while storms redeveloped in the late afternoon across southeast Iowa with an EF-3 tornado occurring in Monroe County.

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## IOWA DAILY MAX & MIN TEMPERATURES JUNE 2015 (SELECTED STATIONS)



## IOWA AVERAGE DAILY PRECIPITATION JUNE 2015 (SELECTED STATIONS)



Hourly data upon which the above averages and extremes are based may not be complete. Contact the National Climatic Data Center in Asheville, NC if more detailed dew point or wind data are required.

JUNE 2015	MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA																		ICWA CLIMATE REVIEW													
STATION	TEMPERATURE (°F)												PRECIPITATION (Inches)																			
	AVERAGE			DEP.			EXT.			NUMBER OF DAYS			HEATING DEGREE DAYS			COOLING DEGREE DAYS			TOTAL			NUMBER OF DAYS										
	MAX	MIN	MEAN	NORM	MAX	DAY	MIN	DAY	90+	32+	32-	0-	JUN	JUN	14-15	NORM	JUN	JUN	2015	NORM	SEAS	SEAS	SEAS	DEP.	EXT.	DAY	0.1+	0.10+	100+	TOTAL	GND	DAY
NORTHWEST DIVISION																																
Akron																																
Cherokee	79.8	58.6	69.2	0.4	96	10	51	16	+	1	0	0	0	14	42	7379	7345	148	155	169	202	4.79	-0.26	2.00	7	10	6	1	0.0	0		
Emmetsburg	79.9	60.4	70.2	2.0	96	10	49	1	1	0	0	0	0	13	42	7300	7800	174	140	212	176	4.74	-0.35	1.12	7	8	7	1	0.0	0		
Estherville Airport	78.6	57.4	68.0	-0.2	96	9	49	1	1	0	0	0	0	12	41	7689	7739	112	137	127	173											
Estherville 4 E															47		7859		133		167	2.62	-1.93	0.69	22	9	6	0	0.0	0		
Everly 3 WNW																					2.07		0.43	7	8	7	0	0.0	0			
Hawarden	81.0	58.6	69.8	0.6	98	10	43	1	1	0	0	0	0	17	36	7326	7435	169	161	187	209	3.54	-0.59	1.73	7	9	7	1	0.0	0		
Le Mars	81.2	59.5	70.4	0.7	97	10	51	1	1	0	0	0	0	12	33	7117	7322	180	172	207	226	3.39	-1.05	1.40	7	10	5	1	0.0	0		
Orange City																					2.58		0.86	16	12	6	0	0.0	0			
Pocahontas	79.8	60.5	70.2	0.3	96	10	49	1	1	0	0	0	0	13	33		7371	174	178	204	233	5.33	0.43	1.03	7	16	10	1	0.0	0		
Primghar	81.1	61.0	71.1	0.9	95	10	53	1	2	0	0	0	0	4	29	6745	7028	192	187	228	253	2.48	-2.48	0.87	7	8	6	0	0.0	0		
Remsen #2																					3.93		2.16	7	9	7	1	0.0	0			
Rock Rapids	79.5	58.3	68.9	0.1	96	10	42	1	1	0	0	0	0	18	42	7505	7746	143	155	161	197	4.58	-0.05	1.01	7	12	11	1	0.0	0		
Rock Valley																					3.26	-1.10	0.59	4	12	8	0	0.0	0			
Sanborn	78.2	58.4	68.3	0.3	94	10	48	16	+	1	0	0	0	23	50	7730	7834	131	139	150	179	2.91	-1.62	0.99	16	11	8	0	0.0	0		
Sheldon	78.3	57.0	67.7	0.4	92	10	50	19	+	1	0	0	0	19	54	7716	8123	106	123	121	155	2.34	-2.17	0.67	16	10	6	0	0.0	0		
Sibley	78.7	57.2	68.0	0.5	95	10	48	1	1	0	0	0	0	21	54	7900	8002	114	130	129	164	4.55	-0.06	0.90	7	14	9	0	0.0	0		
Sioux Center 2 SE	82.2	59.5	70.9	0.3	98	10	52	19	+	2	0	0	0	3	25	6629	6955	186	192	223	264	2.21	-2.24	0.64	15	7	5	0	0.0	0		
Sioux Rapids 4 E	78.4	59.2	68.8	-0.3	93	9	51	1	1	0	0	0	0	9	37	7343	7404	131	158	148	203	4.59	-0.29						0.0	0	0	
Spencer Airport	81.0	57.6	69.3	0.5	97	9	50	19	1	0	0	0	0	4	38	7291	7650	143	152	167	194											
Spencer 1 N	79.8	58.9	69.4	0.8	96	9	51	1	1	0	0	0	0	6	41	7404	7630	144	149	163	194	2.47	-1.93	0.82	11	8	5	0	0.0	0		
Spirit Lake 4 W	78.9	59.6	69.3				97	9	53	16	+	1	0	0	0	7		7457		141		162		3.37		1.05	6	12	7	1	0.0	0
Storm Lake	78.3	59.8	69.1	-0.1	95	10	47	1	1	0	0	0	0	19	34	7265	7272	149	162	168	211	3.55	-2.01	1.25	7	14	8	1	0.0	0		
Washta	79.7	58.3	69.0				96	10	50	1	1	0	0	0	12			138		154		2.90		1.02	7	9	6	1	0.0	0		
NORTH CENTRAL DIVISION																																
Algona 3 W	78.1	58.8	68.5	0.5	96	10	47	1	1	0	0	0	0	23	44	7641	7764	136	135	160	171	4.32	-1.06	1.11	23	11	8	2	0.0	0		
Allison	78.1	59.0	68.6	-0.7	96	10	46	1	1	0	0	0	0	20	30	7543	7361	133	159	168	201	5.50	0.39	1.30	21	14	12	1	0.0	0		
Britt	77.7	58.4	68.1	-0.3	95	10	47	2	+	1	0	0	0	25	43	7865	7836	125	145	148	181	4.09	-1.31	0.98	23	10	8	0	0.0	0		
Charles City	77.6	58.6	68.1	-0.5	94	9	43	2	+	1	0	0	0	19	38	7599	7350	118	146	150	186	4.50	-0.76	0.92	23	14	9	0	0.0	0		
Clarion	78.9	59.3	69.1	-0.5	96	10	48	1	1	0	0	0	0	17	32	7565	7361	147	172	179	223								0.0	0	0	
Dakota City	79.0	59.9	69.5	1.2	95	10	49	1	1	0	0	0	0	15	40	7371	7477	158	138	188	169	5.97	1.20	1.38	23	15	9	2	0.0	0		
Forest City 2 NNE	76.8	58.3	67.6	-0.8	92	10	46	1	1	0	0	0	0	24	41	7919	7740	110	142	129	180	5.64	0.56	1.30	22	14	10	2	0.0	0		
Hampton	79.5	58.5	69.0	0.2	96	10	43	1	1	0	0	0	0	19	39	7458	7468	147	152	180	192	7.60	1.99	2.14	21	17	11	3	0.0	0		
Kanawha																					5.69	0.49	0.89	20	14	10	0	0.0	0			
Lake Mills																					5.75	0.60	1.36	22	12	8	2	0.0	0			
Mason City	77.2	57.5	67.4	-0.1	93	10	44	1	1	0	0	0	0	31	52	7903	7789	110	127	130	161	4.69	-0.67	1.20	7	14	10	1	0.0	0		
Mason City Airport	79.7	58.2	69.0	0.9	95	9	44	1	1	0	0	0	0	12	44	7703	7679	136	138	166	173	5.04	-0.10	1.24	11	10	8	3	0.0	0		
Nashua 2 SW																					5.78		1.94	27	13	10	2	0.0	0			
Northwood															56		8055		121		152	6.57	2.10	2.37	22	13	10	2	0.0	0		
Osage	76.7	58.7	67.7	-0.3	93	10	44	1	1	0	0	0	0	27	46	7925	7731	112	135	134	168	5.41	0.23	1.40	23	14	12	2	0.0	0		
Saint Ansgar																					6.82		2.92	23	15	12	1	0.0	0			
Swea City 4 W	78.4	57.9	68.2	0.1	96	10	47	1	1	0	0	0	0	22	44	7867	7964	124	138	147	175	3.87	-0.72	1.25	16	9	6	1	0.0	0		
NORTHEAST DIVISION																																
Cascade	77.6	57.3	67.5	-1.2	91	10	41	1	1	0	0	0	0	25	38	7498	7178	109	149	148	190	9.28	4.40	2.82	12	13	11	3	0.0	0		
Cresco 1 NE	79.5	56.1	67.8	1.3	94	10	38	1	1	0	0	0	0	27	66	8036	8121	120	109	155	134	7.88	2.72	2.98	23	15	10	1	0.0	0		
Decorah	79.2	57.3	68.3	-0.3	93	10	39	1	2	0	0	0	0	19	39	7280	7125	124	146	176	189	7.16	2.00	3.65	22	12	10	1	0.0	0		

JUNE 2015	MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA												IOWA CLIMATE REVIEW																	
STATION	TEMPERATURE (F)												PRECIPITATION (inches)																	
	AVG				MAX				MIN				NUMBER OF DAYS				HEATING DEGREE DAYS				COOLING DEGREE DAYS				TOTAL					
	Avg	Avg	Dep.	Ext.	Ext.	Max	Max	Min	Min	90+	32+	32-	0+	2015	Norm	JUN	JUN	14-15	NORM	JUN	JUN	2015	Norm	Dep.	Ext.	0.01+	0.10+	1.00+	Total GND Day	
Dubuque Lock & Dam 11	78.2	59.0	68.6	-2.3	92	11	+44	1	2	0	0	0	0	20	24	7240	6782	135	199	186	252	6.43	1.48	2.46	12	12	10	3	0.0	0
Dubuque Airport	77.2	58.6	67.9	-0.4	90	9	42	1	1	0	0	0	0	23	40	7456	7087	119	139	155	176	8.34	3.94	2.51	11	12	10	2	0.0	0
Elkader 6 SSW	76.4	54.0	65.2	-2.6	92	10	36	1	1	0	0	0	0	46	48	8157	7409	59	132	84	168	4.62	-0.96	1.71	12	15	10	1	0.0	0
Fayette	77.7	57.1	67.4	-0.2	95	10	42	1	1	0	0	0	0	30	50	7750	7622	112	127	141	158	6.62	1.61	1.34	23	+15	11	3	0.0	0
Guttenberg L & D 10	78.2	60.6	69.4	-0.9	94	9	47	1	1	0	0	0	0	13	26	7068	6717	151	185	206	241	4.29	-0.61	1.54	12	13	6	2	0.0	0
Ionia 2 W																					5.32		1.05	23	13	10	2	0.0	0	
Manchester #2	77.4	57.1	67.3	-0.6	93	10	39	1	1	0	0	0	0	31	46	7765	7452	103	133	141	166	7.13	1.96	1.88	12	14	11	2	0.0	0
New Hampton	76.6	57.1	66.9	-0.4	93	10	43	1	1	0	0	0	0	31	50	8091	7860	91	119	111	145	4.28	-1.21	1.20	23	12	8	2	0.0	0
Oelwein 1 E	77.8	57.3	67.6	-0.7	94	10	41	1	1	0	0	0	0	29	27	7761	7484	112	126	143	155	5.15	0.23	1.01	15	14	11	1	0.0	0
Postville	77.6	57.1	67.4		94	10	41	1	1	0	0	0	0	32				108		137		5.75	0.81	1.60	23	14	8	2	0.0	0
Stanley 4 W	77.7	57.5	67.6		94	10	43	1	1	0	0	0	0	24		7932		112		151		5.65		1.28	12	13	11	1	0.0	0
Strawberry Point																					6.77		1.56	12	15	12	3	0.0	0	
Tripoli	79.0	58.7	68.9	0.4	96	10	45	1	1	0	0	0	0	21	40		7514	144	147	186	182	4.64	-0.73	0.96	12	15	10	0	0.0	0
Waterloo Airport	79.7	59.0	69.4	-0.6	95	9	43	1	1	0	0	0	0	12	26	7309	7028	149	177	196	233	5.47	0.49	1.57	22	10	9	2	0.0	0
<b>WEST CENTRAL DIVISION</b>																														
Audubon	78.8	59.2	69.0	-0.2	93	10	45	1	1	0	0	0	0	21	32	7191	7080	147	158	164	202	7.99	3.02	3.10	25	11	6	3	0.0	0
Battle Creek 3 NE	79.9	58.6	69.3		97	10	44	1	1	0	0	0	0	17		7308		152		176		3.34		1.06	7	10	6	1	0.0	0
Carroll	79.8	59.6	69.7	-0.1	96	10	50	2	2	0	0	0	0	14	30	7015	7087	161	174	185	227	7.69	2.70	2.51	25	11	8	2	0.0	0
Castana Exp. Farm	79.7	60.0	69.9	0.4	95	10	48	1	1	0	0	0	0	17	29	6818	6992	169	165	189	212	3.98	-1.02	1.06	11	11	5	1	0.0	0
Denison	79.1	58.6	68.9	-2.0	93	10	49	2	1	0	0	0	0	23	23	6852	6681	145	200	161	267	4.39	-0.48	0.97	12	12	8	0	0.0	0
Guthrie Center	79.5	59.1	69.3	-0.4	94	10	43	1	2	0	0	0	0	21	32	6933	6898	157	173	187	230	12.77	7.61	5.95	25	8	6	5	0.0	0
Harlan 1 ESE														24		6880		182		238		5.20	0.57	2.77	11	10	4	2	0.0	0
Holly Springs 1 NW																					4.17		1.37	25	13	8	1	0.0	0	
Holstein	79.1	60.5	69.8		94	9	49	1	1	0	0	0	0	7		7112		159		176		2.74	-2.51	0.73	11	+10	6	0	0.0	0
Jefferson 2 NW	79.0	59.6	69.3	-0.6	95	10	49	1	1	0	0	0	0	16	27	7035	6884	151	176	182	229	8.68	3.69	3.85	25	14	9	2	0.0	0
Little Sioux 2 NW	82.1	58.2	70.2		98	10	43	1	4	0	0	0	0	14		6882		177		209		4.76		1.23	11	11	8	2	0.0	0
Logan	81.6	60.1	70.9	0.0	95	10	49	1	3	0	0	0	0	8	25	6643	6733	190	201	216	267	4.22	-0.80	1.15	11	9	5	1	0.0	0
Mapleton #2	79.8	57.8	68.8	-1.0	95	10	44	1	1	0	0	0	0	22	28	7113	7087	143	172	163	223	4.13	-0.58	1.15	7	10	6	1	0.0	0
Rockwell City	78.7	60.9	69.8	0.5	95	10	49	1	1	0	0	0	0	15	31	7129	7308	168	159	197	203	4.79	-0.06	1.42	12	13	10	1	0.0	0
Sac City	77.8	58.4	68.1	-0.2	93	10	48	1	1	0	0	0	0	24	42	7432	7480	124	141	140	178	5.36	0.09	1.90	12	13	10	1	0.0	0
Sioux City Airport	82.5	60.9	71.7	1.4	99	9	49	1	3	0	0	0	0	2	27	6410	6863	209	188	238	252	4.19	0.30	1.63	15	11	7	1	0.0	0
<b>CENTRAL DIVISION</b>																														
Ames Airport	80.0	60.3	70.2	0.2	95	9	48	1	2	0	0	0	0	8	24	6838	6831	172	174	210	223									
Ames 8 WSW	80.3	61.1	70.7	0.0	93	10	48	1	2	0	0	0	0	10	20	6476	6554	189	191	232	258	6.90	1.94	2.12	24	13	10	2	0.0	0
Ames 5 SE	77.9	58.6	68.3	-1.1	92	10	46	1	1	0	0	0	0	16	31	7134	6963	121	164	147	209	9.12	3.89	2.64	25	13	9	3	0.0	0
Ankeny	78.6	60.2	69.4	-1.6	93	10	47	1	1	0	0	0	0	16	21	6913	6587	155	199	189	263	10.44	5.34	3.87	15	16	8	4	0.0	0
Boone	78.5	58.5	68.5	-0.2	94	10	48	1	1	0	0	0	0	19	37	7105	7047	132	150	160	195	8.29	2.85	2.23	12	14	9	3	0.0	0
Brooklyn																					11.35	6.62	3.67	12	15	12	4	0.0	0	
Clutier																					7.51	1.81	1.68	25	17	11	3	0.0	0	
Des Moines Airport	81.9	64.3	73.1	1.3	95	9	52	1	3	0	0	0	0	3	17	5915	6202	257	221	337	297	8.40	3.46	2.55	24	11	7	4	0.0	0
Des Moines Camp Dodge	78.1	61.2	69.7	-0.8	92	9	50	1	1	0	0	0	0	10	21	6613	6456	155	187	190	251	8.08	2.78	3.03	24	11	8	4	0.0	0
Eldora	78.2	59.3	68.8	-0.3	95	10	47	1	1	0	0	0	0	19	36		7290	138	157	169	200	4.61	-0.66	0.96	23	17	9	0	0.0	0
Fort Dodge 5 NNW	77.3	58.9	68.1	-1.3	94	10	47	1	1	0	0	0	0	20	32	7472	7297	120	165	139	213	4.35	-1.21	1.47	23	13	8	2	0.0	0
Gilman																					8.44	3.34	1.90	25	14	10	4	0.0	0	
Grinnell 3 SW	77.3	58.4	67.9	-0.2	90	10	46	1	1	0	0	0	0	22	45	7316	7132	114	138	140	173	10.67	5.83	2.15	12	15	11	5	0.0	0



JUNE 2015	MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA												IOWA CLIMATE REVIEW																					
STATION	TEMPERATURE (F)												PRECIPITATION (inches)																					
	AVERAGE			DEGREES			EXTREME			NUMBER OF DAYS			HEATING DEGREE DAYS			COOLING DEGREE DAYS			PRECIPITATION			NUMBER OF DAYS			SNOWFALL (inches)									
	MAX	MIN	MEAN	NORM	MAX	DAY	MIN	DAY	90+	90+	32+	32+	JUN	JUN	14-15	NORM	JUN	JUN	2015	NORM	SEAS	SEAS	TOTAL	DEP.	FMT	0:01+	0:10+	1:00+	ON GND	MAX DAY				
Centerville	80.4	59.6	70.0	-0.7	94	11	47	2	3	0	0	0	21	21	6471	6176	177	192	223	249	10.22	5.46	3.96	25	18	13	3	0.0	0					
Chariton 1 E	79.5	58.4	69.0	0.0	91	21	42	1	3	0	0	0	25	37	6858	6695	150	157	176	197	8.10	3.09	2.25	25	18	12	3	0.0	0					
Creston 2 SW	79.3	61.6	70.5	0.5	92	10	47	1	3	0	0	0	10	26	6709	6681	181	175	202	224	5.07	0.57	1.78	12	16	7	1	0.0	0					
Indianola 4 W	80.1	60.4	70.3	0.4	95	10	45	1	2	0	0	0	15	28	6651	6527	177	175	220	230	8.13	3.04	5.61	25	11	8	1	0.0	0					
Knoxville	78.9	62.4	70.7	-0.2	92	10	49	1	3	0	0	0	10	21	6500	6376	189	197	233	260	7.43	2.46	2.62	25	17	12	2	0.0	0					
Lamoni	82.8	63.5	73.2	1.6	97	21	50	1	4	0	0	0	5	18	6117	6193	256	216	302	283	5.94	0.73	0.93	15	14	13	0	0.0	0					
Lamoni Airport	82.8	64.9	73.9	3.1	95	20	55	1	4	0	0	0	0	19	5901	6079	273	193	341	247	4.97	0.79	20	15	12	0	0.0	0						
Lorimor																					5.48	0.92	1.79	25	9	6	1	0.0	0					
Mount Ayr	79.7	61.2	70.5	1.1	94	21	51	19	+	4	0	0	0	10	31	6572	6498	180	161	202	203	5.68	0.56	1.31	15	17	10	2	0.0	0				
Osceola	81.4	61.1	71.3	1.0	96	21	46	2	+	4	0	0	0	12	24	6569	6516	206	183	251	233	6.57	1.96	1.68	25	17	10	2	0.0	0				
Pella 1 S																					6.69	1.96	1.35	25	17	10	2	0.0	0					
Rathbun Dam	79.2	61.4	70.3	-0.5	91	21	+	49	2	+	3	0	0	0	20	21	6455	6245	186	195	233	256	11.83	6.86	4.59	25	17	12	4	0.0	0			
Winterset 1 S																					29	6709		164		214		3.37	25			0.0	0	
<b>SOUTHEAST DIVISION</b>																																		
Bloomfield 1 WNW	81.6	63.1	72.4	1.5	95	11	50	2	+	3	0	0	0	11	20	6169	240	195		254	12.44	7.43	3.23	25	18	12	6	0.0	0					
Brighton																					6.98	2.55	1.43	25	17	11	1	0.0	0					
Burlington Airport	81.0	63.5	72.3	-1.0	93	10	53	2	1	0	0	0	5	13	6101	5600	232	260	325	363	8.58	4.11	1.71	10	14	13	3	0.0	0					
Donnellson	81.7	62.4	72.1		94	11	48	1	2	0	0	0	13		6177		233		331		11.42	6.71	2.23	8	16	12	6	0.0	0					
Fairfield	79.5	61.6	70.6	-1.4	91	11	+	48	1	2	0	0	0	16	15	6556	5828	191	226	263	314	6.28	1.69	1.00	21	15	11	1	0.0	0				
Fort Madison																				12	5588		252		340	9.12	4.48	1.75	7	13	12	3	0.0	0
Keokuk Lock & Dam 19	80.7	63.0	71.9	-0.6	93	11	49	1	3	0	0	0	15	16	6111	5723	228	239	322	323	9.14	4.31	1.60	25	17	13	5	0.0	0					
Keosauqua	80.6	62.3	71.5		93	11	49	1	2	0	0	0	14	17	6495	5851	216	219	291	303	8.02	2.97	1.31	25	13	12	3	0.0	0					
Mount Pleasant 1 SSW	80.4	60.2	70.3	-1.4	92	11	46	1	2	0	0	0	18	17	6729	5845	185	218	250	302	6.62	1.88	1.80	25	15	10	2	0.0	0					
Oskaloosa	79.8	61.3	70.6	0.5	92	10	46	1	2	0	0	0	16	25	6539	6623	190	177	248	228	5.89	0.95	1.07	15	15	9	1	0.0	0					
Ottumwa Airport	80.5	61.8	71.2	0.2	92	10	49	1	3	0	0	0	10	21	6380	6318	204	201	265	265	7.78	2.69	1.64	14	12	11	3	0.0	0					
Salem 1 S																					6.66		2.00	12	15	10	3	0.0	0					
Sigourney	79.1	59.8	69.5	-0.6	91	10	46	2	+	2	0	0	0	20	27	6807	6570	164	179	209	234	4.74	-0.07	0.91	25	12	10	0	0.0	0				
Washington	80.4	60.5	70.5	0.0	93	11	45	1	2	0	0	0	15	24	6785	6553	187	187	253	245	6.91	2.21	3.06	25	14	10	2	0.0	0					
<b>SUPPLEMENTAL STATIONS</b>																																		
Moline Airport	81.1	61.7	71.4	-0.1	93	10	48	2	2	0	0	0	7	19	6598	6204	207	214	288	290	10.90	6.41	2.34	11	17	13	3	0.0	0					
Omaha Eppley AP	83.4	63.4	73.4	1.3	97	9	54	1	4	0	0	0	0	17	5820	6167	262	230	308	312	4.61	0.43	1.91	11	13	8	1	0.0	0					
Sioux Falls WFO AP	79.5	58.6	69.1	1.3	95	9	50	18	1	0	0	0	9	51	7251	7706	139	135	161	171	4.29	0.37	1.14	5	13	9	1	0.0	0					
<b>DIVISIONAL AND STATE AVERAGES</b>																																		
Northwest	79.7	58.9	69.3	0.5	98	10	+	42	1	1	0	0	0	13	40	7362	7566	149	155	171	201	3.42	-1.31	2.16	7	10	7	0	0.0	0				
North Central	78.1	58.6	68.4	0.1	96	10	43	2	+	1	0	0	0	21	42	7697	7660	130	142	157	180	5.45	0.26	2.92	23	13	10	2	0.0	0				
Northeast	78.0	57.6	67.8	-0.7	96	10	36	1	1	0	0	0	26	39	7642	7348	117	144	154	181	6.16	1.06	3.65	22	13	10	2	0.0	0					
West Central	79.8	59.4	69.6	-0.3	99	9	43	1	2	0	0	0	16	28	6991	7012	161	175	185	229	5.53	0.62	5.95	25	11	7	2	0.0	0					
Central	78.8	59.6	69.2	-0.4	96	10	44	1	1	0	0	0	16	30	7045	6970	149	169	184	219	7.79	2.43	5.62	25	14	9	3	0.0	0					
East Central	79.3	59.8	69.6	-0.6	93	11	42	2	+	2	0	0	0	15	25	7010	6632	158	182	213	239	8.34	3.39	4.65	12	15	11	3	0.0	0				
Southwest	81.0	61.2	71.1	0.1	97	11	46	1	4	0	0	0	9	20	6375	6387	200	199	231	263	6.54	1.41	3.68	11	11	8	2	0.0	0					
South Central	80.1	61.4	70.8	0.6	97	21	42	1	3	0	0	0	14	25	6493	6431	193	180	232	233	7.27	2.33	5.61	25	15	11	2	0.0	0					
Southeast	80.5	61.8	71.2	-0.3	95	11	45	1	2	0	0	0	14	19	6468	6085	206	212	276	284	7.90	3.08	3.23	25	15	11	3	0.0	0					
State	79.4	59.7	69.6	-0.1	99	9	36	1	2	0	0	0	16	30	7044	6941	160	172	197	223	6.43	1.41	5.95	25	13	9	2	0.0	0					

JUNE 2015		OBS	DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																								IOWA CLIMATE REVIEW						
STATION	TIME		1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	25:00	26:00	27:00	28:00	29:00	30:00	Avg
<b>NORTHWEST DIVISION</b>																																	
Cherokee	8	MAX	66	75	78	80	83	84	79	77	85	96	86	64	67	78	85	75	78	79	78	82	86	86	84	79	75	81	81	82	82	79.8	
		MIN	51	54	57	57	60	64	62	57	58	63	60	58	59	60	68	51	57	54	52	59	59	62	55	59	64	62	57	61	58	60	58.6
Emmetsburg	8	MAX	67	75	75	78	80	85	80	79	85	96	86	62	68	76	86	75	79	85	79	83	86	87	84	78	75	80	81	84	81	82	79.9
		MIN	49	54	58	60	60	63	64	61	62	66	58	58	59	64	65	55	61	56	56	63	61	65	56	61	64	66	58	64	63	63	60.4
Estherville Airport	24	MAX	72	74	76	77	82	81	77	85	96	82	65	68	74	82	75	76	83	78	82	84	84	82	75	76	79	80	81	79	80	74	78.6
		MIN	49	54	57	56	56	61	60	60	62	61	57	57	61	57	57	51	59	54	53	62	59	56	54	55	58	59	54	62	61	60	57.4
Estherville 4 E	7	MAX	M	72	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		
		MIN	M	51	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		
Hawarden	7	MAX	67	78	79	82	83	85	81	77	88	98	86	62	67	82	86	77	78	76	79	84	87	88	83	79	77	82	83	86	86	84	81.0
		MIN	43	54	57	60	61	64	63	60	61	65	60	58	58	62	64	52	57	55	53	57	60	66	54	58	60	61	57	58	60	61	58.6
Le Mars	7	MAX	69	79	81	84	84	84	83	76	86	97	87	63	67	81	86	76	78	77	78	84	87	87	85	82	79	82	83	84	85	83	81.2
		MIN	51	55	60	58	60	65	62	60	61	66	59	57	58	62	64	53	59	53	55	59	60	66	55	64	60	62	56	62	61	61	59.5
Pocahontas	8	MAX	68	74	74	79	83	85	80	80	85	96	87	64	67	76	84	74	79	83	77	82	85	88	84	77	77	80	81	82	80	82	79.8
		MIN	49	54	57	59	61	63	65	61	63	66	61	57	58	61	68	55	61	56	57	64	60	65	59	61	61	63	59	64	64	64	60.5
Primghar	16	MAX	75	78	78	81	82	82	76	83	94	95	84	66	77	84	83	78	78	76	80	84	87	87	82	77	79	80	83	81	81	81	81.1
		MIN	53	55	60	62	61	65	64	57	66	66	58	57	61	62	63	55	63	56	60	65	64	65	57	62	62	64	59	65	62	61	61.0
Rock Rapids	8	MAX	66	78	79	79	79	81	81	73	85	96	85	61	70	79	86	76	76	74	79	83	84	88	81	77	80	80	83	84	81	82	79.5
		MIN	42	54	56	59	59	63	65	59	61	63	57	58	57	61	61	57	53	53	56	62	62	65	56	58	59	60	57	58	62	62	58.3
Sanborn	8	MAX	66	75	78	78	80	81	79	75	84	94	84	62	67	76	83	75	77	75	74	82	84	86	81	77	75	77	80	82	80	80	78.2
		MIN	48	54	54	60	60	60	63	57	58	63	57	56	56	61	64	48	59	57	49	64	63	63	54	60	60	62	61	59	60	61	58.4
Sheldon	7	MAX	66	74	77	78	80	81	81	74	82	92	83	62	66	77	83	75	75	75	78	81	83	85	80	78	76	80	82	84	81	80	78.3
		MIN	53	54	56	60	60	61	62	57	60	62	57	57	57	58	63	51	54	50	50	55	57	64	52	56	57	59	53	57	59	59	57.0
Sibley	7	MAX	65	76	78	78	78	80	81	75	85	95	83	60	67	78	85	75	76	76	77	83	85	87	81	76	77	76	82	83	81	81	78.7
		MIN	48	52	55	58	58	61	65	57	58	63	56	56	56	59	60	53	54	52	54	55	61	63	53	55	58	60	56	61	59	59	57.2
Sioux Center 2 SE	16	MAX	78	79	81	82	81	82	81	85	98	98	85	66	78	85	84	78	78	77	83	84	87	87	81	78	79	79	86	83	82	82	82.2
		MIN	52	55	61	61	60	66	63	58	61	65	59	57	62	59	62	53	63	52	52	65	60	65	53	61	58	63	54	63	62	60	59.5
Sioux Rapids 4 E	22	MAX	74	76	79	80	81	81	77	84	93	83	66	67	75	82	72	76	80	75	81	85	84	81	75	73	78	78	80	79	79	78	78.4
		MIN	51	53	59	60	60	62	62	59	62	65	58	57	61	60	60	54	63	53	55	64	61	62	54	60	62	61	55	62	60	60	59.2
Spencer Airport	24	MAX	75	77	80	83	84	82	79	87	97	85	66	68	77	85	76	78	84	79	84	87	87	84	78	76	80	82	84	83	84	80	81.0
		MIN	52	55	61	60	57	64	62	58	62	65	59	59	62	56	56	51	55	51	50	61	60	58	52	59	57	57	52	61	59	58	57.6
Spencer 1 N	24	MAX	75	77	78	81	82	80	76	84	96	83	71	67	77	84	75	79	84	77	84	84	87	83	76	75	78	80	83	80	81	77	79.8
		MIN	51	55	60	58	58	63	63	59	61	66	57	57	62	56	61	52	60	54	53	64	59	63	55	58	60	61	56	64	60	60	58.9
Spirit Lake 4 W	24	MAX	73	74	77	77	80	79	77	85	97	82	68	68	75	83	74	75	82	76	81	85	85	83	77	75	78	79	83	81	84	75	78.9
		MIN	53	56	61	59	60	63	63	59	64	65	58	57	62	62	60	53	61	54	57	63	62	59	56	60	57	62	56	64	60	61	59.6
Storm Lake	8	MAX	65	73	74	78	81	83	76	78	84	95	86	64	67	76	83	73	77	80	75	80	84	85	83	77	73	79	79	81	80	80	78.3
		MIN	47	52	54	60	59	61	63	61	66	63	57	56	61	66	57	54	57	56	65	64	64	57	57	61	62	62	64	62	64	59.8	
Washta	7	MAX	66	75	78	80	82	82	77	78	85	96	86	66	67	77	84	76	78	78	78	83	84	86	84	80	79	78	80	81	83	83	79.7
		MIN	50	55	62	56	60	66	65	60	57	64	59	60	58	63	58	51	57	51	54	54	59	58	53	55	63	65	61	56	63	57	58.3

JUNE 2015		OBS TIME	DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																								IOWA CLIMATE REVIEW							
STATION			1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	25:00	26:00	27:00	28:00	29:00	30:00	31:00	Avg
<b>NORTH CENTRAL DIVISION</b>																																		
Algona 3 W	6	MAX	66	72	74	78	78	82	79	79	84	96	83	62	68	74	82	72	76	84	75	80	86	83	83	74	75	78	79	80	79	81	78.1	
		MIN	47	48	53	59	58	59	61	62	61	63	60	57	57	61	62	53	55	57	58	62	63	64	58	60	60	64	58	58	63	63	58.8	
Allison	7	MAX	66	70	74	82	82	82	78	82	83	96	86	66	67	76	82	73	77	78	78	77	79	83	84	75	75	75	80	74	80	78	81	78.1
		MIN	46	51	53	60	62	58	60	61	61	63	61	58	58	63	66	55	57	57	57	63	60	65	56	59	59	65	58	58	60	60	59.0	
Britt	7	MAX	65	71	74	78	79	82	82	79	81	95	84	63	67	74	83	71	77	80	74	80	82	85	83	75	74	77	78	81	79	79	79	77.7
		MIN	47	47	55	58	58	59	59	60	60	60	60	56	56	56	64	54	57	58	59	60	61	64	57	57	64	65	57	59	62	62	58.4	
Charles City	22	MAX	69	73	80	78	79	78	80	80	94	83	72	67	75	83	73	76	77	76	78	78	83	84	76	74	78	74	80	75	80	76	77.6	
		MIN	43	43	57	57	59	57	64	60	56	68	60	57	61	61	53	63	59	58	60	60	64	57	58	64	63	56	62	59	58	58.6		
Clarion	7	MAX	67	72	74	81	83	83	78	80	84	96	86	68	67	75	83	72	79	82	77	80	82	84	85	76	73	81	75	81	81	81	78.9	
		MIN	48	51	51	59	62	60	62	60	62	64	61	58	58	62	68	56	59	57	61	61	64	55	60	62	63	58	59	60	61	59.3		
Dakota City	8	MAX	68	73	73	82	82	84	77	80	85	95	86	65	67	76	83	73	78	84	76	81	84	86	84	77	72	80	78	81	80	80	79.0	
		MIN	49	52	57	57	61	61	64	61	62	67	61	57	59	63	64	55	56	57	61	61	66	58	60	61	62	59	64	63	63	59.9		
Forest City 2 NNE	7	MAX	65	69	74	76	73	81	77	78	82	92	83	62	68	74	82	72	76	78	76	79	82	84	82	74	74	74	79	75	80	78	80	76.8
		MIN	46	50	53	57	61	58	60	60	60	64	60	57	57	61	62	53	55	57	59	58	60	65	56	58	60	64	54	59	62	62	58.3	
Hampton	7	MAX	67	72	75	80	84	83	78	83	84	96	89	66	69	77	82	75	78	78	79	80	83	85	85	76	75	83	76	82	83	83	79.5	
		MIN	43	47	54	57	61	58	60	62	60	68	61	58	58	61	61	55	57	59	55	59	61	61	57	57	62	65	57	59	59	63	58.5	
Mason City	7	MAX	64	70	74	77	77	79	76	81	82	93	83	64	66	74	83	73	76	77	76	79	80	84	83	75	74	79	75	81	81	81	77.2	
		MIN	44	46	50	55	57	58	60	61	58	62	61	57	56	61	66	53	56	58	56	59	60	61	58	56	59	64	56	58	60	60	57.5	
Mason City Airport	24	MAX	72	76	79	80	83	79	82	84	95	85	69	68	75	84	75	78	80	78	81	83	85	84	77	76	81	78	82	81	82	79	79.7	
		MIN	44	48	58	54	56	59	62	60	58	64	60	58	62	65	55	53	62	56	55	61	60	62	57	55	65	61	56	61	60	59	58.2	
Northwood	7	MAX	62	68	M	75	74	M	70	77	M	M	M	M	M	M	71	M	70	74	76	75	77	80	82	80	74	M	M	M	M	77	78	M
		MIN	42	48	M	55	57	M	63	59	M	M	M	M	M	M	60	M	52	58	57	55	56	59	67	56	55	M	M	M	M	60	59	M
Osage	7	MAX	66	69	73	77	76	78	77	80	81	93	83	62	67	74	83	72	76	77	76	79	77	83	82	76	72	79	80	75	77	81	76.7	
		MIN	44	50	54	57	59	57	58	59	59	66	61	56	57	62	69	54	58	59	58	61	61	64	58	58	62	61	56	63	60	59	58.7	
Swea City 4 W	7	MAX	64	74	76	76	77	83	80	78	84	96	83	61	68	74	84	73	76	85	76	81	84	85	82	75	76	78	78	82	82	81	78.4	
		MIN	47	51	55	57	58	60	60	60	62	60	56	56	58	62	53	57	56	57	59	60	62	55	58	60	62	56	57	61	61	57.9		
<b>NORTHEAST DIVISION</b>																																		
Cascade	7	MAX	66	69	74	78	85	80	78	84	82	91	89	70	64	73	83	79	78	77	79	78	78	82	81	77	73	79	73	79	79	77.6		
		MIN	41	44	50	56	63	53	55	60	56	58	65	59	59	60	67	56	58	60	56	55	58	64	56	58	60	64	56	58	56	58	57.3	
Cresco 1 NE	7	MAX	68	72	76	79	80	77	81	83	81	94	85	62	69	77	85	75	81	77	81	83	81	86	84	81	80	84	81	81	78	83	79.5	
		MIN	38	45	53	53	55	54	65	58	56	62	60	56	57	60	66	52	56	59	53	58	53	63	53	54	59	61	53	61	55	54	56.1	
Decorah	16	MAX	68	73	77	78	76	78	82	81	93	93	83	68	74	84	83	76	76	78	77	78	84	83	82	78	80	78	81	81	81	73	79.2	
		MIN	39	46	52	55	56	56	66	57	54	62	61	58	60	60	66	52	61	61	55	56	57	60	56	55	65	62	55	59	60	56	57.3	
Dubuque Lock & Dam 11	6	MAX	66	72	75	80	81	77	78	84	81	92	92	70	65	73	82	76	81	79	79	81	69	83	85	78	78	80	74	80	74	80	78.2	
		MIN	44	47	51	59	65	54	55	59	61	61	61	59	59	59	66	62	61	61	57	58	60	58	65	61	61	64	62	61	60	60	59.0	
Dubuque Airport	24	MAX	68	71	77	82	78	75	83	80	90	88	71	65	73	82	76	78	77	78	77	69	83	81	78	75	77	74	80	74	80	77	77.2	
		MIN	42	47	52	63	57	52	65	59	56	69	62	59	59	66	62	59	60	63	56	54	62	64	57	57	65	60	59	57	55	59	58.6	
Elkader 6 SSW	7	MAX	65	68	73	77	81	79	77	82	79	92	85	64	64	73	83	75	77	76	78	77	67	83	81	77	75	79	73	80	72	80	76.4	
		MIN	36	40	48	53	59	49	54	58	52	56	60	58	57	59	61	50	56	59	54	53	55	59	51	52	56	56	54	56	56	54.0		

JUNE 2015		DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																									IOWA CLIMATE REVIEW										
STATION	OBS	TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Avg		
				100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131		
Fayette	7	MAX	66	70	74	79	81	80	78	83	81	95	85	63	66	74	83	73	78	77	78	79	77	84	82	77	76	81	77	81	73	81	77.7				
		MIN	42	43	51	58	60	53	55	59	57	62	60	57	57	60	64	55	57	60	57	57	58	64	54	57	59	64	56	58	60	58	57.1				
Guttenberg L & D 10	24	MAX	71	74	78	81	78	77	81	82	94	84	74	66	71	83	79	78	75	78	78	68	84	83	80	78	81	76	81	75	81	77	78.2				
		MIN	47	49	55	61	64	56	65	62	58	72	62	60	60	65	65	56	62	65	59	58	58	66	60	61	66	65	60	61	61	59	60.6				
Manchester #2	7	MAX	65	69	74	78	84	80	77	83	82	93	89	66	64	73	83	76	78	77	78	78	76	84	83	78	73	78	73	79	70	80	77.4				
		MIN	39	49	52	59	62	54	60	58	54	59	58	58	58	60	65	52	60	60	56	54	59	63	55	56	62	64	55	57	58	58	57.1				
New Hampton	8	MAX	64	68	73	80	78	78	80	79	93	84	63	66	74	83	71	76	76	76	79	77	82	82	76	75	79	76	79	74	79	76.6					
		MIN	43	46	55	57	60	55	56	58	57	60	60	56	56	56	64	55	57	59	58	57	59	64	56	56	60	63	56	59	57	57	57.1				
Oelwein 1 E	7	MAX	70	69	75	80	83	82	79	83	82	94	85	65	65	74	83	73	77	77	78	78	73	82	82	76	74	80	75	78	78	85	77.8				
		MIN	41	43	51	58	61	54	56	59	61	63	60	57	57	60	63	54	56	60	57	57	58	62	53	57	62	64	57	58	60	59	57.3				
Postville	7	MAX	65	69	73	75	82	79	78	83	82	94	85	63	65	74	84	74	77	76	79	79	78	84	82	78	77	81	77	81	74	81	77.6				
		MIN	41	46	51	58	57	54	56	59	62	62	61	57	57	59	67	54	58	60	57	59	57	62	54	57	61	63	55	51	61	57	57.1				
Stanley 4 W	7	MAX	67	70	75	80	83	81	79	83	83	94	85	66	63	76	84	75	79	78	77	79	72	83	83	76	74	79	75	80	73	80	77.7				
		MIN	43	48	52	59	62	56	57	59	55	62	60	58	58	60	64	56	58	61	58	58	59	64	52	55	61	62	55	57	58	57	57.5				
Tripoli	7	MAX	66	71	76	81	83	81	79	84	83	96	86	68	66	76	84	73	79	79	79	80	80	85	84	78	75	80	76	82	76	83	79.0				
		MIN	45	48	52	60	63	57	58	60	59	66	61	58	58	61	65	55	58	60	60	60	60	64	56	58	63	65	57	59	58	58	58.7				
Waterloo Airport	24	MAX	71	75	81	85	83	78	84	83	95	87	71	66	76	83	74	79	78	80	80	79	85	85	77	73	82	76	81	78	84	81	79.7				
		MIN	43	50	58	56	62	57	65	58	57	65	61	59	62	65	58	54	64	59	57	60	61	65	55	57	65	66	56	62	60	59	59.0				
WEST CENTRAL DIVISION																																					
Audubon	8	MAX	66	72	73	78	78	84	79	80	84	93	88	69	64	74	81	71	77	83	74	81	83	86	89	79	80	76	76	81	83	81	78.8				
		MIN	45	49	55	57	62	65	63	59	57	67	60	59	59	59	65	55	60	56	54	63	57	65	55	63	63	65	55	61	61	61	59.2				
Battle Creek 3 NE	8	MAX	68	75	78	81	79	85	78	77	85	97	88	67	66	79	85	72	80	79	77	83	86	87	86	80	75	80	79	84	81	80	79.9				
		MIN	44	54	57	58	62	63	63	58	60	63	59	58	60	58	66	52	62	54	51	63	58	63	52	60	63	62	56	61	58	59	58.6				
Carroll	7	MAX	68	73	74	82	80	84	78	81	85	96	89	71	65	78	82	72	79	84	74	82	85	87	90	80	72	78	78	81	83	82	79.8				
		MIN	50	50	55	58	62	64	62	62	63	68	60	59	58	61	64	55	56	56	54	57	58	64	59	60	64	66	58	59	63	64	59.6				
Castana Exp. Farm	7	MAX	67	74	76	81	78	84	79	79	85	95	88	67	63	77	84	73	78	79	75	82	85	86	88	80	80	78	80	84	83	82	79.7				
		MIN	48	50	54	59	60	59	63	62	64	68	60	58	58	61	65	54	58	57	57	61	63	66	58	61	64	62	59	66	63	63	60.0				
Denison	7	MAX	65	71	73	79	79	82	77	80	83	93	87	68	63	77	82	72	79	80	73	82	87	86	87	82	79	80	84	82	81	79.1					
		MIN	49	49	52	60	61	61	63	61	61	65	59	57	57	60	63	55	56	56	57	60	61	61	57	58	62	62	56	58	61	61	58.6				
Guthrie Center	8	MAX	67	73	72	80	78	84	79	83	84	94	89	69	66	76	81	73	78	85	76	80	87	85	90	80	76	78	76	82	83	82	79.5				
		MIN	43	50	50	57	61	64	64	56	56	72	62	60	60	64	65	53	53	57	54	62	59	64	55	60	64	66	56	65	60	62	59.1				
Harlan 1 ESE	18	MAX	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	79	84	81	83	86	88	80	80	78	80	84	83	80	M		
		MIN	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	54	63	59	57	68	60	68	57	66	68	66	58	66	61	62	
Holstein	22	MAX	74	76	79	80	83	77	77	84	94	85	71	65	76	83	75	78	78	75	82	84	84	84	78	74	80	78	80	82	80	77	79.1				
		MIN	49	54	61	60	62	64	62	60	63	67	58	56	60	63	61	54	64	56	60	67	63	66	56	61	64	61	59	63	60	62	60.5				
Jefferson 2 NW	7	MAX	68	72	72	81	79	83	77	82	86	95	87	70	65	76	81	73	78	84	77	81	85	86	88	79	71	78	75	80	81	80	79.0				
		MIN	49	50	53	59	61	63	64	60	62	64	61	60	59	63	66	55	55	59	56	56	61	64	57	61	66	66	60	60	63	63	59.6				
Little Sioux 2 NW	7	MAX	68	78	79	82	81	85	83	79	88	98	92	69	66	77	85	76	79	81	77	85	88	80	90	81	86	79	84	85	88	85	82.1				
		MIN	43	48	54	61	61	61	64	58	58	60	61	59	59	61	61	55	55	60	55	55	60	61	55	53	66	65	57	58	61	62	58.2				
Logan	7	MAX	68	75	78	82	78	85	82	81	87	95	90	70	66	79	84	74	81	84	75	85	87	89	90	82	85	79	82	84	86	84	81.6				
		MIN	49	55	59	61	60	65	64	57	58	63	62	61	62	66	54	59	60	56	62	61	63	56	57	66	65	58	63	59	61	60.1					

JUNE 2015		DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																								IOWA CLIMATE REVIEW							
STATION	OBS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Avg
	TIME																																
Mapleton #2	7	MAX	66	76	79	80	79	84	80	77	84	95	88	67	63	78	83	74	81	77	76	84	85	87	87	81	77	79	80	83	83	81	79.8
		MIN	44	50	55	58	61	64	61	60	59	65	59	58	58	60	61	50	63	54	52	54	58	60	54	57	62	62	56	58	60	60	57.8
Rockwell City	7	MAX	66	72	72	80	80	84	75	80	85	95	86	71	66	76	82	72	77	83	75	80	85	85	86	77	71	81	79	79	80	81	78.7
		MIN	49	52	54	60	62	63	64	60	64	69	61	59	59	64	67	55	59	57	58	65	62	66	58	62	64	65	61	64	63	62	60.9
Sac City	7	MAX	65	72	73	78	79	82	76	79	84	93	86	66	65	76	82	71	76	81	74	80	84	84	85	76	70	80	77	79	80	80	77.8
		MIN	48	49	53	57	58	61	62	61	62	64	59	57	57	59	64	53	53	55	55	59	63	57	58	60	65	57	63	64	63	58.4	
Sioux City Airport	24	MAX	78	81	82	82	86	82	78	88	99	90	67	67	79	85	78	80	79	79	83	89	90	87	82	81	86	84	87	87	86	74	82.5
		MIN	49	58	63	60	60	66	61	62	61	64	63	61	63	63	59	53	65	57	54	65	60	60	56	65	67	63	57	66	62	63	60.9
CENTRAL DIVISION																																	
Ames Airport	24	MAX	73	72	79	82	86	75	85	86	95	90	74	68	76	80	74	79	84	77	80	83	85	89	80	72	78	74	82	83	81	79	80.0
		MIN	48	50	59	57	64	62	64	58	60	67	62	61	63	65	60	55	66	57	56	60	60	67	59	61	65	59	57	62	61	65	60.3
Ames 8 WSW	16	MAX	70	71	77	80	83	84	81	84	92	93	87	68	74	78	79	77	82	82	78	81	84	85	87	78	76	76	82	81	80	79	80.3
		MIN	48	52	58	59	64	62	65	60	63	67	61	59	63	67	66	56	66	59	58	61	62	63	59	60	66	57	60	63	64	61.1	
Ames 5 SE	6	MAX	69	72	70	77	80	84	74	81	84	92	88	69	67	73	78	73	78	82	76	79	82	84	87	79	70	77	73	80	81	79	77.9
		MIN	46	49	53	58	59	62	62	62	59	61	61	61	60	63	65	55	55	55	56	57	60	61	59	59	60	65	57	59	61	61	58.6
Ankeny	7	MAX	67	71	71	77	80	83	74	83	85	93	88	72	66	74	81	73	79	84	75	79	87	83	89	79	73	76	73	80	83	81	78.6
		MIN	47	51	57	60	64	61	64	59	60	64	62	60	60	65	65	54	60	59	57	62	58	61	59	61	65	58	62	62	65	60.2	
Boone	8	MAX	67	73	71	78	80	84	73	83	83	94	87	68	65	77	81	72	79	83	77	80	82	86	88	79	70	78	75	81	81	79	78.5
		MIN	48	50	54	56	62	62	63	56	56	64	60	58	58	63	64	53	58	55	55	62	59	66	55	59	60	63	56	62	59	60	58.5
Des Moines Airport	24	MAX	73	73	78	80	86	77	87	89	95	91	77	70	77	81	76	81	85	79	82	93	85	89	83	79	79	77	84	86	83	82	81.9
		MIN	52	54	61	63	67	66	66	62	65	73	65	63	65	70	64	60	69	64	63	64	68	72	62	64	67	64	61	64	65	67	64.3
Des Moines Camp Dodge	24	MAX	70	70	76	78	82	73	83	84	92	86	74	67	74	76	72	78	82	75	79	84	82	87	79	70	75	75	80	82	79	78	78.1
		MIN	50	52	58	62	64	62	63	59	63	71	61	60	62	66	60	56	66	60	59	64	64	67	57	61	64	62	58	61	62	62	61.2
Eldora	7	MAX	67	72	74	80	83	84	76	83	84	95	86	68	67	75	81	72	79	80	76	80	77	84	86	77	68	78	73	80	80	82	78.2
		MIN	47	50	53	59	60	60	61	60	60	67	60	58	58	63	68	56	59	57	58	61	61	67	56	59	60	64	57	60	60	61	59.3
Fort Dodge 5 NNW	7	MAX	65	70	70	79	79	82	75	79	83	94	84	68	66	74	80	73	76	82	75	78	83	82	84	74	70	79	76	79	80	79	77.3
		MIN	47	53	55	57	60	61	62	59	61	61	60	58	57	62	67	55	61	56	55	66	57	57	62	62	58	59	62	62	58.9		
Grinnell 3 SW	7	MAX	66	71	70	76	81	81	74	82	82	90	87	72	66	73	81	74	78	80	76	80	77	84	86	77	71	79	80	80	77.3		
		MIN	46	48	52	58	62	60	60	60	55	58	65	63	61	65	65	53	56	58	55	60	60	61	55	57	60	63	55	55	62	63	58.4
Grundy Center	8	MAX	67	71	74	80	85	84	76	82	83	94	87	68	68	75	81	74	78	78	77	79	77	83	85	75	69	78	74	80	81	81	78.1
		MIN	44	49	56	59	62	59	63	62	58	68	61	59	59	65	68	55	58	59	58	60	61	67	57	59	61	64	56	58	60	62	59.6
Iowa Falls	7	MAX	67	71	72	78	83	83	75	82	84	94	86	67	66	76	82	72	78	76	77	78	79	83	85	76	76	80	74	80	81	82	78.1
		MIN	47	48	53	57	61	60	61	61	57	62	61	58	58	62	62	54	58	57	56	60	60	63	55	58	58	64	56	59	61	62	58.3
Marshalltown	7	MAX	69	72	73	78	85	85	76	83	84	93	89	69	66	76	82	73	80	81	76	81	80	84	86	78	70	79	73	80	81	81	78.8
		MIN	44	49	54	62	64	62	62	61	58	61	61	60	60	64	66	55	57	60	56	61	62	63	58	60	61	64	56	58	61	63	59.4
Marshalltown Airport	24	MAX	70	74	78	83	84	76	83	84	93	89	72	66	75	81	73	78	81	77	79	80	83	86	78	70	80	73	80	81	81	80	78.9
		MIN	45	50	58	62	65	61	62	59	59	66	62	60	63	64	59	53	65	58	57	62	60	64	56	61	62	60	55	63	59	62	59.7
Newton	7	MAX	69	72	73	79	84	84	77	85	86	94	89	72	67	76	84	74	80	84	76	80	86	84	89	80	71	77	72	80	82	82	79.6
		MIN	47	48	51	59	63	62	62	62	62	64	63	61	61	64	64	55	55	61	59	59	61	66	58	58	60	66	58	63	63	63	59.8
Perry	7	MAX	70	75	73	80	80	87	76	83	87	96	90	69	67	77	82	73	82	85	76	80	87	88	90	81	72	79	75	82	82	83	80.2
		MIN	49	52	55	61	62	65	64	59	60	63	62	61	60	64	65	56	58	58	58	62	61	58	59	63	66	58	60	63	63	60.1	

JUNE 2015		DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																								IOWA CLIMATE REVIEW									
STATION	TIME	OBS		1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	25:00	26:00	27:00	28:00	29:00	30:00	31:00	Avg
				1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	25:00	26:00	27:00	28:00	29:00	30:00	31:00	
Toledo 3 N	7	MAX	68	71	73	79	84	84	76	83	83	92	87	69	65	75	82	73	79	80	75	80	79	82	86	77	70	78	72	79	79	80	78.0		
		MIN	44	45	50	55	62	59	59	60	59	59	61	59	59	62	62	56	56	59	58	58	59	62	58	58	60	63	56	56	60	60	57.8		
Webster City	7	MAX	66	71	72	79	82	83	77	81	82	94	86	71	66	75	82	73	77	83	75	79	81	84	85	75	71	75	75	81	81	80	78.1		
		MIN	45	51	53	55	58	60	61	59	60	62	60	57	57	62	63	51	53	54	54	60	57	59	55	55	61	64	56	58	60	60	57.3		
EAST CENTRAL DIVISION																																			
Anamosa 3 SSW	7	MAX	67	70	72	75	84	83	77	84	81	91	89	74	66	74	82	82	79	77	78	80	80	83	79	77	72	76	73	80	72	80	77.9		
		MIN	42	42	50	54	61	54	58	58	56	56	65	63	60	60	67	55	56	58	57	56	59	66	58	57	57	64	57	57	56	56	57.2		
Belle Plaine	7	MAX	69	70	74	76	85	84	80	85	84	90	91	72	67	75	83	77	79	80	78	79	80	82	83	79	71	79	73	80	78	82	78.8		
		MIN	46	46	53	58	63	59	62	57	56	62	64	61	61	61	68	55	61	60	56	57	64	67	57	59	61	65	56	58	60	60	59.1		
Bellevue Lock & Dam 12	6	MAX	66	70	70	79	86	78	77	86	84	93	87	71	66	74	87	77	81	78	80	81	72	87	83	81	78	81	73	78	75	82	78.7		
		MIN	46	46	46	55	64	56	57	60	56	57	68	63	61	61	69	61	63	63	59	56	56	63	64	59	60	62	57	57	59	59.0			
Cedar Rapids Airport	24	MAX	71	74	79	84	82	78	84	84	91	89	74	67	74	82	78	79	79	79	82	82	78	78	70	80	72	80	72	82	81	78.7			
		MIN	44	51	54	59	62	56	63	58	59	69	65	62	63	68	61	56	60	62	60	57	63	64	57	59	66	61	57	58	57	59	59.7		
Cedar Rapids #1	17	MAX	70	74	78	86	84	81	85	84	93	92	89	71	73	83	81	79	79	78	79	81	82	80	81	77	77	75	79	82	81	80.4			
		MIN	42	50	54	61	65	56	65	59	57	71	63	60	62	67	68	54	60	64	59	58	64	70	57	59	64	64	55	58	59	59	60.1		
Clinton #1	18	MAX	69	74	79	83	82	77	84	83	90	91	88	70	78	83	82	78	77	79	78	83	83	82	80	78	77	74	78	77	79	79	79.8		
		MIN	48	49	57	64	67	55	65	62	59	75	68	63	60	69	70	62	57	69	58	58	63	66	63	61	66	64	61	59	61	61	62.0		
Coggon	6	MAX	66	71	74	78	84	81	77	84	82	92	88	67	64	73	83	76	79	77	79	79	79	82	81	77	72	77	74	80	72	81	77.6		
		MIN	42	47	50	56	63	54	56	58	54	61	62	59	59	60	66	53	60	60	57	55	57	64	56	56	57	61	65	56	56	57	58	57.3	
Davenport Airport	24	MAX	71	75	80	85	83	80	85	84	91	92	80	71	81	84	82	81	81	79	84	84	79	79	72	80	72	80	76	80	81	81	80.3		
		MIN	48	50	55	63	62	54	66	62	58	71	65	64	62	70	67	62	56	65	58	56	64	68	61	60	67	61	59	58	57	60	61.0		
Iowa City	7	MAX	70	73	75	79	86	85	79	85	84	91	91	79	68	68	77	86	82	81	79	80	81	85	84	83	80	71	82	72	81	75	82	80.2	
		MIN	46	51	53	60	64	56	60	58	57	62	67	66	64	65	69	61	59	58	61	55	64	66	63	61	62	66	57	57	59	60	60.2		
Iowa City Airport	24	MAX	71	74	79	84	84	78	85	84	92	91	79	70	77	83	82	81	79	80	80	85	84	82	80	71	82	73	81	82	82	80.3			
		MIN	47	54	54	60	65	58	66	60	59	73	67	65	65	69	66	61	59	66	62	58	65	71	64	62	67	63	58	59	61	62.1			
Le Claire L & D 14	6	MAX	67	71	76	79	83	80	78	83	84	90	93	79	72	81	85	80	82	78	80	80	80	84	84	79	72	80	80	76	80	81	81	79.6	
		MIN	45	51	51	58	65	56	56	64	63	63	71	66	62	62	70	63	58	56	60	60	60	67	65	63	62	66	61	62	59	58	60.8		
Lowden	24	MAX	70	75	80	87	83	79	85	84	92	91	80	69	79	85	81	80	77	80	80	85	84	77	80	72	80	71	80	76	83	81	80.2		
		MIN	45	50	50	63	62	54	64	60	55	70	66	62	60	66	63	58	57	65	57	54	62	65	58	58	65	61	58	59	56	60	59.4		
Maquoketa 4 W	7	MAX	66	69	74	80	85	81	78	85	84	92	88	76	65	77	84	80	78	77	78	82	83	80	78	73	76	72	78	76	79	78.4			
		MIN	43	48	51	57	64	53	56	61	56	59	64	63	59	60	68	60	58	58	56	54	57	63	59	58	62	64	57	58	59	57	58.1		
Muscatine	6	MAX	68	71	75	80	86	84	80	86	84	92	92	79	74	80	80	85	82	80	78	80	79	85	84	84	80	73	82	73	80	73	82	80.4	
		MIN	46	51	54	56	64	59	58	62	60	60	70	67	65	65	69	65	58	57	62	60	58	65	66	63	62	68	62	60	61	61	61.1		
Muscatine 2 N	5	MAX	68	70	74	79	84	83	78	85	83	90	90	79	71	79	85	81	81	78	79	78	84	84	82	79	72	81	72	80	72	82	79.4		
		MIN	45	50	54	57	65	56	56	62	61	62	69	66	64	64	69	62	57	57	61	58	58	66	63	63	61	68	60	60	60	60	60.5		
Vinton	7	MAX	67	69	75	79	88	83	77	85	84	92	89	69	65	74	82	75	79	78	78	79	79	82	85	78	70	78	74	80	74	82	78.3		
		MIN	43	47	54	56	62	57	58	61	60	57	61	59	59	64	67	54	60	61	58	58	59	65	58	60	60	63	66	58	60	61	60	58.9	
Williamsburg 1 E	7	MAX	67	73	75	78	84	83	79	85	84	91	87	75	68	73	82	79	78	79	77	80	79	82	83	78	73	75	78	75	81	78.5			
		MIN	44	47	55	57	61	58	58	60	58	61	67	65	61	65	68	58	59	60	60	60	60	65	58	60	60	61	66	57	58	60	61		

JUNE 2015		DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																									IOWA CLIMATE REVIEW									
STATION	TIME	OBS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Avg	
Bedford	7	MAX	68	72	68	75	76	84	80	86	85	92	95	77	67	77	85	75	80	84	75	82	95	84	91	77	85	80	78	81	85	81	80.7			
		MIN	52	53	57	61	63	63	65	59	61	66	68	63	61	63	67	59	62	66	60	63	64	68	63	63	63	67	58	60	63	63	62.1			
Clarinda	8	MAX	67	72	73	78	75	84	82	86	86	94	97	76	67	76	83	77	79	86	74	82	94	84	94	77	87	80	78	82	86	84	81.3			
		MIN	51	54	58	62	64	63	68	58	59	60	68	62	62	64	68	57	57	65	59	59	64	68	57	57	65	67	57	64	61	60	61.3			
Corning	7	MAX	72	71	71	74	74	82	80	84	84	90	93	75	67	76	81	75	78	82	75	82	91	84	89	77	82	78	77	82	84	82	79.7			
		MIN	51	53	56	60	62	62	65	58	59	60	64	62	62	64	67	57	58	65	60	62	65	68	58	60	62	67	57	60	61	62	60.9			
Glenwood	6	MAX	69	73	74	79	76	84	83	82	87	95	95	74	66	78	82	76	80	86	74	84	89	88	90	80	91	82	80	85	87	85	81.8			
		MIN	49	52	54	62	62	62	67	59	59	60	62	60	60	64	65	54	54	65	57	57	64	64	57	56	64	66	59	59	61	62	59.9			
Greenfield	8	MAX	66	70	71	77	77	82	78	83	85	93	88	74	67	76	82	74	78	84	76	80	90	84	89	79	80	76	76	82	85	82	79.5			
		MIN	47	51	56	56	64	64	65	59	63	69	63	61	61	64	65	57	64	60	59	64	65	70	57	63	63	67	58	65	61	63	61.5			
Oakland	7	MAX	70	73	77	78	76	85	81	80	84	95	92	68	66	76	81	73	79	85	74	83	88	86	90	81	83	80	79	83	83	82	80.4			
		MIN	51	53	55	61	62	63	67	61	61	66	61	59	59	63	65	56	58	61	59	61	65	66	66	61	64	66	60	59	62	64	61.0			
Red Oak	7	MAX	68	73	75	78	78	84	82	87	88	94	97	74	69	78	83	76	80	85	75	83	92	85	91	79	87	81	80	85	86	85	81.9			
		MIN	52	55	58	62	63	64	68	59	59	62	64	62	62	65	67	56	60	66	58	62	65	68	57	63	65	68	58	62	61	63	61.8			
Shenandoah	8	MAX	69	73	73	79	75	85	83	87	88	95	97	77	67	78	84	75	80	86	76	84	94	86	92	79	92	80	81	85	88	86	82.5			
		MIN	53	60	60	62	64	68	68	60	61	72	65	62	62	66	67	56	64	67	60	67	66	71	59	66	67	68	59	65	63	64	63.7			
Sidney 1 SSE	7	MAX	72	72	74	78	74	86	83	85	86	95	96	75	66	81	84	73	79	86	76	85	92	86	92	76	93	79	80	84	86	84	81.9			
		MIN	49	53	55	59	61	61	66	59	59	59	63	60	60	65	58	59	66	60	61	65	65	62	62	64	66	66	60	62	64	61.0				
SOUTH CENTRAL DIVISION																																				
Albia 3 NNE	7	MAX	65	67	68	73	82	83	77	86	86	90	90	76	69	75	84	79	79	82	76	78	89	80	86	77	77	72	79	83	81	78.9				
		MIN	48	48	56	61	62	60	66	59	62	64	66	67	61	63	65	58	59	66	61	59	64	65	61	63	63	66	59	60	62	64	61.3			
Allerton	8	MAX	65	68	69	72	78	82	78	87	84	89	92	79	69	75	83	83	78	82	78	78	92	81	88	77	80	80	75	79	83	82	79.5			
		MIN	50	51	53	58	61	61	61	59	61	64	66	65	63	64	67	59	59	65	61	61	64	66	62	62	67	61	56	63	63	61.2				
Beaconsfield	7	MAX	65	69	70	74	75	81	77	83	83	89	90	76	68	76	82	80	77	82	76	79	92	82	88	77	80	78	74	78	83	79	78.8			
		MIN	47	51	56	59	62	63	63	60	61	65	67	63	62	63	67	56	58	64	59	59	65	65	60	62	62	67	59	60	63	64	61.1			
Centerville	7	MAX	67	67	69	72	80	84	78	85	85	91	94	79	71	76	84	84	80	84	80	81	91	82	87	78	81	80	74	81	83	83	80.4			
		MIN	48	47	49	57	58	58	58	58	57	58	67	66	66	63	64	59	60	65	60	58	63	65	61	61	63	65	56	57	60	60	59.6			
Chariton 1 E	8	MAX	66	70	70	73	80	83	78	85	85	90	90	76	70	76	84	78	79	83	76	79	91	81	87	78	80	77	74	80	84	82	79.5			
		MIN	42	44	49	59	60	60	60	57	54	57	66	66	60	61	67	52	54	61	55	58	61	70	60	60	62	64	53	58	60	62	58.4			
Creston 2 SW	7	MAX	72	70	71	75	75	81	79	83	85	92	90	76	66	75	80	75	77	83	76	83	91	82	87	76	81	78	76	80	84	81	79.3			
		MIN	47	53	56	62	63	63	63	59	62	66	64	62	62	62	67	56	61	65	63	63	66	66	68	62	67	62	61	63	63	61.6				
Indianola 4 W	7	MAX	69	72	73	77	79	85	79	83	85	95	88	74	67	78	85	74	81	84	75	82	92	86	87	79	79	76	74	81	83	80	80.1			
		MIN	45	50	57	59	62	63	65	57	58	65	65	64	61	64	67	51	60	59	56	62	62	68	56	63	64	65	56	61	63	63	60.4			
Knoxville	8	MAX	68	71	71	75	80	85	76	84	86	92	90	72	67	75	83	76	79	82	75	79	90	82	83	78	75	77	72	80	82	82	78.9			
		MIN	49	51	58	60	64	62	62	64	69	68	63	62	65	67	57	57	64	63	60	60	67	72	61	63	64	67	60	63	63	63	62.4			
Lamoni	7	MAX	70	74	74	75	78	86	81	88	88	93	96	83	71	79	86	84	81	87	79	83	97	84	92	78	85	82	77	82	87	85	82.8			
		MIN	50	55	58	61	64	65	65	61	64	68	71	65	64	65	69	60	61	67	62	65	67	64	64	69	61	62	65	66	63.5					
Lamoni Airport	24	MAX	74	73	77	80	87	81	88	88	91	94	81	72	78	84	83	81	85	80	82	95	83	90	79	84	82	78	82	87	84	81	82.8			
		MIN	55	59	62	64	68	67	66	63	67	71	69	66	65	68	64	60	70	65	61	65	65	69	63	61	66	64	67	64	64.9					

JUNE 2015		DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																								IOWA CLIMATE REVIEW									
STATION	TIME	OBS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Avg
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Mount Ayr	8	MAX	69	71	71	74	77	83	79	84	83	90	92	78	67	75	84	78	79	82	76	80	94	81	90	76	85	79	76	74	84	81	79.7		
		MIN	51	53	58	60	64	64	64	56	56	67	67	62	61	64	69	58	64	66	51	64	62	70	60	60	63	66	58	58	60	59	61.2		
Osceola	7	MAX	69	73	73	76	80	85	80	86	86	93	95	75	68	79	84	80	81	86	78	83	96	84	90	78	81	78	75	81	86	82	81.4		
		MIN	46	46	58	62	62	64	64	56	55	65	66	66	64	65	69	55	63	62	56	60	63	71	58	64	64	65	57	57	65	64	61.1		
Rathbun Dam	7	MAX	65	65	69	71	79	82	76	86	84	91	91	78	70	74	84	82	78	82	77	79	91	80	88	77	79	78	73	80	84	82	79.2		
		MIN	49	49	53	59	60	61	61	62	61	61	67	65	64	61	67	61	62	66	62	59	62	68	62	63	62	65	65	61	63	62	65	61.4	
Winterset 1 S	7	MAX	M	M	M	M	76	M	M	M	M	86	72	67	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M			
		MIN	M	M	M	M	60	M	M	M	M	61	M	61	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		
SOUTHEAST DIVISION																																			
Bloomfield 1 WNW	7	MAX	68	72	73	75	83	87	81	87	85	91	95	82	76	79	86	84	82	83	79	80	90	83	88	78	82	81	75	80	83	81	81.6		
		MIN	50	50	54	61	64	63	64	63	66	69	68	67	64	67	70	61	63	67	63	61	65	71	62	63	63	66	58	60	64	66	63.1		
Burlington Airport	24	MAX	70	73	76	82	86	78	87	84	89	93	82	81	84	85	84	81	80	77	77	86	80	87	79	76	82	73	81	74	82	82	81.0		
		MIN	54	53	54	62	65	57	66	63	60	70	68	68	69	71	70	64	62	65	63	58	66	73	64	63	67	66	60	59	63	63	63.5		
Donnellson	7	MAX	65	71	73	74	83	86	80	89	85	91	94	84	81	86	84	84	81	83	79	80	87	81	88	83	79	82	75	83	77	83	81.7		
		MIN	48	52	52	61	64	58	60	61	63	67	69	66	68	70	69	62	64	66	63	59	61	67	63	64	60	67	59	62	63	65	62.4		
Fairfield	8	MAX	67	70	69	73	82	84	78	87	84	91	91	79	76	77	84	83	80	82	78	77	86	82	87	78	74	77	72	78	78	81	79.5		
		MIN	48	49	52	59	60	58	61	61	59	73	68	66	66	67	70	62	60	61	56	63	70	62	64	63	67	59	59	59	65	61.6			
Fort Madison	24	MAX	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M			
		MIN	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M			
Keokuk Lock & Dam 19	6	MAX	62	67	73	73	80	83	83	91	83	91	93	83	83	83	86	84	84	84	84	78	74	87	79	88	77	82	78	78	77	76	79	80.7	
		MIN	49	53	55	57	61	59	59	59	62	63	70	67	68	70	71	65	65	71	65	61	63	68	68	65	62	67	60	62	63	63	63.0		
Keosauqua	6	MAX	65	72	70	73	82	80	77	87	85	90	93	81	80	81	85	85	80	82	78	80	89	82	88	79	79	80	75	80	78	82	80.6		
		MIN	49	51	53	58	64	65	67	59	59	66	66	66	66	69	70	61	64	66	61	57	65	65	63	64	63	67	58	61	63	63	62.3		
Mount Pleasant 1 SSW	7	MAX	66	73	70	74	84	86	78	87	83	90	92	83	79	80	85	83	82	80	78	80	85	81	86	79	74	77	73	82	80	81	80.4		
		MIN	46	48	52	53	61	56	61	59	58	65	66	66	66	64	71	60	60	60	61	55	60	66	62	63	65	58	61	62	62	60.2			
Oskaloosa	7	MAX	68	71	70	73	83	87	77	86	86	92	91	74	69	74	83	79	81	83	78	82	88	83	86	79	73	79	73	82	82	82	79.8		
		MIN	46	49	53	60	63	61	61	61	63	63	68	65	63	66	68	57	60	64	60	61	64	68	60	61	62	66	59	60	64	64	61.3		
Ottumwa Airport	24	MAX	70	70	73	81	87	77	86	85	91	92	77	71	75	84	82	79	82	79	81	90	82	87	79	75	79	74	81	82	82	81	80.5		
		MIN	49	50	56	60	63	60	65	59	60	69	68	67	64	66	63	60	64	63	61	57	65	68	61	64	66	60	56	61	65	64	61.8		
Sigourney	7	MAX	68	69	70	73	82	84	78	86	85	91	90	74	71	75	81	80	78	80	85	81	86	79	74	81	79	82	80	81	80.4				
		MIN	46	46	51	54	59	58	58	60	60	60	68	65	64	64	66	59	59	62	61	58	61	66	60	60	66	58	58	62	63	59.8			
Washington	7	MAX	69	70	73	77	83	86	78	84	85	91	93	78	76	78	85	82	79	80	81	79	86	83	85	82	72	82	73	82	76	84	80.4		
		MIN	45	50	52	60	62	57	61	61	58	63	70	67	66	67	67	59	58	57	61	56	62	65	61	62	61	66	59	58	63	62	60.5		
SUPPLEMENTAL STATIONS																																			
Moline Airport	24	MAX	72	74	79	86	84	80	86	85	91	93	80	73	82	85	84	81	77	81	79	85	84	84	81	73	82	73	81	76	81	82	81	81.1	
		MIN	52	48	53	63	64	56	66	61	58	70	67	64	63	71	69	64	57	65	59	55	65	70	61	62	67	64	60	57	58	61	61.7		
Omaha Eppley AP	24	MAX	75	77	82	78	85	85	83	89	97	94	70	68	77	85	77	81	88	75	86	90	89	93	83	88	83	84	87	89	87	78	83.4		
		MIN	54	57	64	66	62	69	64	62	64	66	63	62	64	64	61	57	68	62	58	69	62	68	59	67	68	63	61	68	64	67	63.4		
Sioux Falls WFO AP	24	MAX	76	78	80	79	79	81	74	84	95	81	64	72	79	84	76	73	71	77	80	84	86	79	77	81	82	83	85	85	83	76	79.5		
		MIN	55	59	59	56	63	64	62	59	65	60	58	57	63	61	57	53	55	50	53	64	61	58	52	58	57	60	55	60	61	62	58.6		

JUNE 2015		DAILY PRECIPITATION (INCHES) FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																		IA CLIMATE REVIEW																								
STATION	OBS TIME	TOTAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31											
<b>NORTHWEST DIVISION</b>																																												
Akron	7	3.00	0.02		0.13	T		0.65	0.07		0.41	0.24	0.02	0.12	0.83					0.04		0.02	0.45	T																				
Cherokee	8	4.79		0.02	T		2.00	0.06		T	0.72	0.18	T	T	0.70			T	T	0.36	0.02	0.01	0.72																					
Emmetsburg	8	4.74			T	T	1.12	0.04			0.85	0.60			0.39				0.62	0.77	0.35			T																				
Estherville 4 E	7	2.62			I		0.44	T		T	0.35	0.24	T	0.02	0.22			0.53	I	0.69	0.05	I		0.08																				
Everly 3 WNW	7	2.07			T	T	0.43	0.04		T	0.27	0.14	T		0.33			0.25	T	0.32			T	T	0.29																			
Hawarden	7	3.54		0.07			1.73	0.03			0.37	0.28			0.31	0.22					0.28		T	0.25																				
Le Mars	7	3.39		0.02			1.40	0.07			0.62	0.14	0.03		0.62					0.06		0.03	0.40																					
Orange City	7	2.58		0.01	0.01		0.34	0.05	0.02		0.51	0.15	T		0.86	T		0.01	0.01	0.15			T	0.46																				
Pocahontas	8	5.33	0.39				1.03	0.02	0.02		0.60	0.93	0.02					0.67			0.20	0.91	0.01	0.01	0.01	0.15	0.23	0.13																
Primghar	16	2.48		0.01			0.87				0.46	0.10			0.70					0.05	0.16			0.13																				
Remsen #2	6	3.93		0.10			2.16	0.05			0.41	0.29	0.02			0.60					0.14		T	0.16																				
Rock Rapids	8	4.58			0.58	0.12	1.01	T	0.12		0.45	0.72			0.24	0.14	0.02			0.55	0.52			0.11																				
Rock Valley	7	3.26		0.05	0.59	T	0.49	0.02			0.37	0.53			0.34	0.14	0.01			0.03	0.14			0.55																				
Sanborn	8	2.91					0.78	0.04			0.24	0.16	0.02			0.99				0.11	0.14			0.11	0.05	0.27																		
Sheldon	7	2.34		0.01	T		0.47	0.09		T	0.42	0.22	0.01		T	0.67	T		0.08	0.18		T	0.19	T																				
Sibley	7	4.55			0.32	0.08	0.06	0.90	0.02	0.02	0.26	0.38				0.55				0.54	0.42			0.04	0.58	0.38																		
Sioux Center 2 SE	16	2.21		0.04			T	0.48	T		0.55	T		0.64		T		0.02	0.18		T	0.30		T																				
Sioux Rapids 4 E	22	4.59		0.07	*	*	*	*	*	*	*	*	*	*	*	*	3.78				0.10	0.60		T	0.04																			
Spencer 1 N	24	2.47		T			0.44	0.21		T	0.02	0.82			0.09				0.34	0.53			0.02																					
Spirit Lake 4 W	24	3.37		0.03	0.02	0.03	1.05	0.16		T	0.49		0.02	0.32	T			0.70	0.42	T	T	0.01	0.12																					
Storm Lake	8	3.55			T			1.25	0.04		0.05	0.55	0.22	T	0.04	0.10			0.20	0.24	0.25	0.04	0.04	0.49	0.04																			
Washta	7	2.90		0.02	T		1.02	0.04			0.75	0.17			0.56	T			T	0.06		0.16	0.12	T																				
<b>NORTH CENTRAL DIVISION</b>																																												
Algona 3 W	6	4.32			0.01		0.50	0.05			0.47	1.08	0.05			0.20			0.64		1.11	T	T	0.11	0.10																			
Allison	7	5.50					0.30				0.42	0.27	0.12		0.04	0.73				1.30	0.02	0.65	0.10	0.32	0.13	0.85	0.25																	
Britt	7	4.09		T	0.08		0.57	0.02		T	0.25	0.82	T	T	0.35		T	0.80		0.12	0.98		T	0.10																				
Charles City	7	4.50			0.01		0.64				0.10	0.42	0.06	0.01		0.74				0.36	0.04	0.92	T	0.02	0.52	0.28	0.38																	
Clarion	7	M		T			0.47				0.54	0.68	0.06	0.01	0.03	0.12		0.10	M	M	M	1.30		0.04	0.42	M	M																	
Dakota City	8	5.97					0.53				0.75	1.35	0.08		0.02	0.24		0.02	0.31	0.70	1.38	0.02	0.04	0.30	0.18	0.05																		
Forest City 2 NNE	7	5.64			0.10		1.08	0.05			0.25	0.92	0.03			0.15	0.30		0.75	0.01	1.30	0.45			0.22	0.03																		
Hampton	7	7.60			0.02		0.71				0.37	0.65	0.10	T	0.03	0.13		0.08	1.75	2.14	0.02	1.06		0.02	0.10	0.25	0.16	0.01																
Kanawha	7	5.69	0.36	0.07			0.76	T			0.47	0.60	0.04			0.48		0.46		0.89		0.04	0.83			0.42	0.26	0.01																
Lake Mills	7	5.75			0.02		1.22	0.02			0.15	0.92	0.03			0.24			0.64		1.36	0.53			0.54	0.08																		
Mason City	7	4.69			0.06		1.20	0.04			0.14	0.80	0.23	0.03		0.12			0.98	0.12	0.08	0.58			0.11	0.20																		
Mason City Airport	24	5.04		0.02			0.13	1.17			1.24	0.01	0.14		0.11					1.20		0.79	T			T	0.23																	
Nashua 2 SW	7	5.78		0.02			0.23				0.25	0.41	0.04		T	0.65					0.34	0.20	1.10		0.05	T	1.94	0.20	0.35															
Northwood	7	6.57			T		0.97	0.02			0.13	1.03	0.06	0.06		0.10		0.20		0.56		2.37	0.75				0.17	0.15																
Osage	7	5.41		0.11			0.90	0.05			0.15	0.55	0.17	T	0.16				0.08	0.17	1.10	1.40			0.16	0.22	0.19																	
Saint Ansgar	6	6.82		0.03			0.76	0.05			T	0.12	0.94	0.14	0.20		0.44		0.26	0.20	0.26	0.03	2.92			0.26	0.21																	
Swea City 4 W	7	3.87			T		0.30	I			0.23	0.86	0.02	T	1.25	T		0.41		0.69	0.09	T	T		T	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<b>NORTHEAST DIVISION</b>																																												
Cascade	7	9.28			0.03		0.32				2.82	0.14	0.08	0.50	0.56		T		1.92	1.10	0.49	T	0.15		0.75	0.42																		
Cresco 1 NE	7	7.88	T		0.19		0.44	0.01			0.04	0.85	0.05	0.01	0.90				0.16	0.84	2.98			0.07	0.48	0.58	0.28																	
Decorah	16	7.16			0.25		0.39				0.73	0.53	0.06		0.33				0.12	3.65		T		0.03	0.62	0.21	0.24																	
Dubuque Lock & Dam 11	6	6.43					0.19	0.04	</																																			

JUNE 2015		DAILY PRECIPITATION (INCHES) FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																								IA CLIMATE REVIEW										
STATION	OBS TIME	TOTAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Tripoli	7	4.64							0.37			0.31	0.96	0.27	0.03	0.10	0.40	0.03	T		0.17	0.01	0.93	T	0.04		0.59	0.41	0.02							
Waterloo Airport	24	5.47							0.33			T	1.15	0.08			0.75	0.11			0.21		1.57		0.21	T	0.52		0.54							
WEST CENTRAL DIVISION																																				
Audubon	8	7.99		0.03		T	1.28	0.01		0.88	1.86	0.02	0.60	0.10											T	0.07	3.10	T	0.04	T						
Battle Creek 3 NE	8	3.34			T		1.06	T		0.70	0.24	0.07	0.03	0.01											T	T	0.18	0.82	0.15	0.08	T					
Carroll	7	7.69		0.07			0.67			0.67	2.25	0.01	0.72	0.18											T	0.24	2.51	0.03	0.34							
Castana Exp. Farm	7	3.98	0.02		0.09		0.78			1.06	0.62	T	0.09	0.08											T	0.07	0.60	0.57								
Denison	7	4.39		0.18			0.60			0.90	0.97	0.02	0.23	0.75											0.03	0.07	0.40	0.23	0.01							
Guthrie Center	8	12.77					1.20			1.38	1.11		2.82	0.04												0.22	5.95		0.05							
Harlan 1 ESE	18	5.20	T	0.05	0.02	T	0.03	0.49		2.77			0.72												0.03	1.01	0.02	0.06								
Holly Springs 1 NW	7	4.17	0.08	0.15			0.57	0.03		0.96	0.40	0.03	0.03	0.20											0.01	0.14	1.37	0.20								
Holstein	7	2.74		0.02			T	0.73	0.02		0.73	0.37	0.07	0.42											T	T	0.10	0.06	0.22	T						
Jefferson 2 NW	7	8.68			0.26		0.60	0.01		0.91	1.47	0.07	0.33	0.08											0.12	0.70	3.85	0.01	0.04	0.23						
Little Sioux 2 NW	7	4.76		0.20			1.20			1.23	0.50	T	0.91	0.12		0.01								T	T	0.38	0.13	0.02	0.06							
Logan	7	4.22		0.21	0.04		0.78			1.15	0.91	T	0.97	0.07											T	0.02	T	0.07								
Mapleton #2	7	4.13		0.10			1.15			0.90	0.51		0.09	0.02												0.74	0.51	0.09	T	0.02						
Rockwell City	7	4.79		0.03			0.39			0.90	1.42	0.09	0.14	0.08											0.12	0.49	0.48	0.41	0.12	0.12						
Sac City	7	5.36		0.05			0.32	T		0.88	1.90	0.05	0.66	0.25											0.21	0.32	0.27	0.03	0.20	0.22						
Sioux City Airport	24	4.19		0.27			0.75	T		0.54	0.45	T	1.63		T	0.01				0.01	0.04	T	0.27		0.17				0.05							
CENTRAL DIVISION																																				
Ames 8 WSW	16	6.90		0.10			0.53			0.77	1.34	0.07	0.15	0.43			0.11	T		0.06		2.12	0.97	0.04	0.21											
Ames 5 SE	6	9.12			0.20		0.80			0.60	1.28	0.05	0.98	0.91											0.05	1.24	2.64	0.02	0.05	0.30						
Ankeny	7	10.44			0.21		T	1.24		0.08	0.52	0.01	3.87	0.40											0.02	0.02	0.02	1.05	2.23	0.02	0.03	0.70	0.02			
Boone	8	8.29		0.06	0.01		0.59			0.71	2.23	0.11	0.44	0.29											0.04	1.62	1.75	0.03	0.01	0.40	T					
Brooklyn	7	11.35					1.07			T	3.67		0.25	0.95	0.15	0.07	0.33				1.23	0.18	0.40	0.87	1.77		0.04	0.09	0.28							
Clutier	7	7.51		0.03			0.89			0.64	1.38	0.07	1.10	0.23	0.04	0.45					0.40		0.14	0.06	1.68	0.05	0.10	0.05	0.20							
Des Moines Airport	24	8.40		0.08		T	0.48			T	1.02	0.02	0.01	0.11	1.57	T					0.06	T	T	2.55	1.70	T	0.80									
Des Moines Camp Dodge	24	8.08		0.19			0.01	1.07		1.28	0.07	T	0.80	1.10	T						T	T	0.03	T	3.03	0.14	T	0.36								
Eldora	7	4.61			T		0.21	T		0.47	0.59	0.07	0.01	0.11	0.09	0.55								0.93	0.19	0.96	0.01	0.24	0.03	0.07	0.05	0.03				
Fort Dodge 5 NNW	7	4.35					0.30	T		T	0.85	1.10	0.10	T	0.10	0.10	0.10			T		0.03	1.47		0.05	0.05	T	0.05	0.05							
Gilman	7	8.44					0.80			0.65	1.10	0.05	1.40	0.70	0.12									0.15		0.10	1.24	1.90		0.09	0.09	0.05				
Grinnell 3 SW	7	10.67		0.03			1.56			0.12	2.15	T	1.20	0.15	0.15									0.03	0.18	0.05	2.14	1.77		0.93	0.15	0.06				
Grundy Center	8	5.27					0.24			0.62	0.91	0.02	T	0.33	0.34	0.40									0.65	0.28	1.06	0.22	0.04	0.02	0.14					
Iowa Falls	7	5.64			0.02		0.37	T		0.37	0.74	0.06	0.07	0.12	1.12									0.72	0.08	1.55	0.01	0.19	0.07	0.02	0.07	0.06				
Marshalltown	7	8.12					2.03			0.30	1.88	0.02	0.60	0.47	0.05	0.02								0.32	0.03	0.04	0.14	1.92	0.01	0.03	0.09	0.17				
Montezuma 1 W	7	9.43					1.58			1.38		2.05	0.73	0.51	0.13									0.23		0.17	1.33	1.00		0.12	0.20					
Newton	7	8.80					1.72			0.05	0.97		1.61	0.31											0.07		T	1.58	1.17		0.13	0.70	0.49			
Perry	7	10.92		0.06	0.01		0.78	0.02		0.98	1.60	0.04	0.85	0.19										0.02	0.40	5.62	0.02	T	0.33							
Toledo 3 N	7	8.24					1.14			0.55	1.33	0.14	1.23	0.82	T	0.49									0.71		0.11	0.13	1.28	0.03	0.15	T	0.13			
Webster City	7	4.44		0.11	0.09		0.31			0.63	1.00	0.16	0.13	0.06										0.18		1.39	0.18	0.08	0.05	0.06	0.01					
Zearing	7	4.58		0.05			1.00			0.31	1.82	0.05	0.22	0.09										0.10		0.07	0.17	0.58	0.04	0.02	0.06					
EAST CENTRAL DIVISION																																				
Anamosa 3 SSW	7	8.70			T		0.43	0.01		2.24	0.13	0.10	0.17	0.22	0.02									2.45	0.02	1.60	0.01	1.00	0.01	0.03	0.02	0.19	0.05			
Belle Plaine	7	8.38					1.40			T	2.00	0.02	0.05	1.40	T	0.15	0.10							1.60	T	0.10	0.22	1.21	0.02		0.06	0.05				
Bellevue Lock & Dam 12	6	8.75					0.23	0.16		3.33	0.20	0.25	0.68	0.30									1.67		1.02	0.41	0.01					0.18	0.31			
Cedar Rapids #1	17	8.94					0.79			0.45	3.43	0.07	0.82										0.66	0.33	0.87	0.13	0.38	0.37	0.08		0.19	0.37				
Clinton #1	18	9.20					1.35			0.15	2.60	0.20	0.65	1.02	0.03	0.05							0.16	0.05	0.87	0.98	0.12	0.27	0.06		0.17	0.34	0.13			
Coggon	6	7.73					0.42			0.07	3.01	0.09	0.04	0.78	0.30								0.73	0.05	1.43	0.50		0.05	0.05	0.06	0.15					
Davenport Airport	24																																			



JUNE 2015		STATION INDEX			IOWA CLIMATE REVIEW			JUNE 2015		STATION INDEX			IOWA CLIMATE REVIEW		
STATION NAME	DIV	COUNTY	COORDINATES			ELEV (FT)	STATION NAME	DIV	COUNTY	COORDINATES			ELEV (FT)		
			LATITUDE	LONGITUDE	DEG MIN SEC					DEG MIN SEC	DEG MIN SEC	DEG MIN SEC			
Akron	NW	Plymouth	42 49 37	96 33 21	1125		Davenport Airport	EC	Scott	41 36 42	90 34 54	54	748		
Albia 3 NNE	SC	Monroe	41 3 56	92 47 12	890		Decorah	NE	Winnesheik	43 18 15	91 47 43	43	860		
Algona 3 W	NC	Kossuth	43 4 6	94 18 19	1230		Denison	WC	Crawford	42 2 11	95 19 44	44	1401		
Allerton	SC	Wayne	40 42 15	93 22 11	1110		Des Moines Airport	C	Polk	41 32 2	93 39 11	11	957		
Allison	NC	Butler	42 45 13	92 48 8	1048		Des Moines Camp Dodge	C	Polk	41 44 12	93 43 25	25	959		
Ames Airport	C	Story	41 59 26	93 37 8	955		De Witt	EC	Clinton	41 48 39	90 32 26	26	685		
Ames 8 WSW	C	Boone	42 1 15	93 46 27	1099		Donnellson	SE	Lee	40 38 45	91 33 50	50	705		
Ames 5 SE	C	Story	41 57 7	93 33 56	870		Dubuque L & D 11	NE	Dubuque	42 32 24	90 38 46	46	620		
Anamosa 3 SSW	EC	Jones	42 5 35	91 18 7	906		Dubuque Airport	NE	Dubuque	42 23 52	90 42 13	13	1056		
Ankeny	C	Polk	41 43 6	93 34 27	940		Eldora	C	Hardin	42 21 55	93 5 50	50	1144		
Atlantic 1 NE	SW	Cass	41 25 3	95 0 14	1148		Elkader 6 SSW	NE	Clayton	42 46 31	91 27 13	13	788		
Audubon	WC	Audubon	41 42 25	94 55 20	1280		Emmetsburg	NW	Palo Alto	43 6 9	94 41 0	0	1260		
Battle Creek 3 NE	WC	Ida	42 22 12	95 34 30	1380		Estherville Airport	NW	Emmet	43 24 4	94 44 50	50	1317		
Beaconsfield	SC	Ringgold	40 48 25	94 2 51	1215		Estherville 4 E	NW	Emmet	43 24 13	94 44 50	50	1320		
Bedford	SW	Taylor	40 40 27	94 43 28	1190		Everly 3 WNW	NW	Clay	43 11 0	95 22 59	59	1365		
Belle Plaine	EC	Benton	41 52 53	92 16 35	810		Fairfield	SE	Jefferson	41 1 16	91 57 19	19	746		
Bellevue L & D 12	EC	Jackson	42 15 40	90 25 23	603		Fayette	NE	Fayette	42 51 1	91 48 57	57	1130		
Bloomfield 1 WNW	SE	Davis	40 45 35	92 26 22	812		Forest City 2 NNE	NC	Winnebago	43 17 4	93 37 50	50	1276		
Boone	C	Boone	42 2 30	93 53 26	1035		Fort Dodge 5 NNW	C	Webster	42 35 1	94 12 2	2	1140		
Brighton	SE	Washington	41 10 33	91 49 6	609		Fort Madison	SE	Lee	40 37 16	91 19 34	34	530		
Britt	NC	Hancock	43 6 6	93 48 5	1240		Gilman	C	Marshall	41 52 41	92 46 43	43	1040		
Brooklyn	C	Poweshiek	41 44 22	92 26 24	910		Glenwood	SW	Mills	41 3 6	95 44 57	57	1060		
Burlington Airport	SE	Des Moines	40 46 51	91 7 9	692		Greenfield	SW	Adair	41 17 53	94 27 22	22	1330		
Carroll	WC	Carroll	42 3 54	94 51 0	1227		Grinnell 3 SW	C	Poweshiek	41 43 13	92 44 56	56	912		
Cascade	NE	Dubuque	42 17 56	90 59 54	870		Grundy Center	C	Grundy	42 21 53	92 45 34	34	1045		
Castana Exp. Farm	WC	Monona	42 3 48	95 50 11	1450		Guthrie Center	WC	Guthrie	41 40 7	94 29 50	50	1075		
Cedar Rapids Airport	EC	Linn	41 53 0	91 43 0	868		Guttenberg L & D 10	NE	Clayton	42 47 9	91 5 45	45	618		
Cedar Rapids #1	EC	Linn	42 3 0	91 35 17	810		Hampton	NC	Franklin	42 45 22	93 12 4	4	1230		
Centerville	SC	Appanoose	40 44 11	92 52 9	980		Harlan 1 ESE	WC	Shelby	41 38 25	95 17 25	25	1360		
Chariton 1 E	SC	Lucas	41 0 59	93 16 45	940		Hastings 4 NE	SW	Mills	41 4 38	95 28 48	48	1050		
Charles City	NC	Floyd	43 3 37	92 40 18	993		Hawarden	NW	Sioux	43 0 11	96 29 6	6	1190		
Cherokee	NW	Cherokee	42 45 26	95 32 16	1180		Holly Springs 1 NW	WC	Woodbury	42 16 49	96 5 46	46	1100		
Clarinda	SW	Page	40 43 28	95 1 19	980		Holstein	WC	Ida	42 29 23	95 32 56	56	1370		
Clarion	NC	Wright	42 43 12	93 44 1	1156		Indianola 4 W	SC	Warren	41 21 56	93 38 53	53	942		
Clinton #1	EC	Clinton	41 47 41	90 15 50	594		Ionia 2 W	NE	Chickasaw	43 2 1	92 30 6	6	1019		
Clutier	C	Tama	42 4 48	92 24 18	900		Iowa City	EC	Johnson	41 36 33	91 30 18	18	640		
Coggon	EC	Linn	42 16 45	91 31 30	903		Iowa City Airport	EC	Johnson	41 37 58	91 32 35	35	668		
Corning	SW	Adams	40 59 19	94 44 57	1215		Iowa Falls	C	Hardin	42 31 8	93 15 13	13	1051		
Cresco 1 NE	NE	Howard	43 23 22	92 5 38	1255		Jefferson 2 NW	WC	Greene	42 2 5	94 24 41	41	1055		
Creston 2 SW	SC	Union	41 2 14	94 23 39	1320		Kanawha	NC	Hancock	42 55 52	93 47 36	36	1185		
Dakota City	NC	Humboldt	42 43 32	94 11 43	1110		Keokuk L & D 19	SE	Lee	40 23 48	91 22 30	30	527		

JUNE 2015		STATION INDEX			IOWA CLIMATE REVIEW			JUNE 2015		STATION INDEX			IOWA CLIMATE REVIEW		
STATION NAME	DIV	COUNTY	COORDINATES			ELEV (FT)	STATION NAME	DIV	COUNTY	COORDINATES			ELEV (FT)		
			LATITUDE	LONGITUDE	DEG MIN SEC					DEG MIN SEC	DEG MIN SEC	DEG MIN SEC			
Keosauqua	SE	Van Buren	40 43 39	91 58 6		592	Primghar	NW	O' Brien	43 5 11	95 37 45		1520		
Knoxville	SC	Marion	41 19 29	93 6 3		915	Randolph	SW	Fremont	40 52 28	95 34 0		980		
Lake Mills	NC	Winnebago	43 25 4	93 32 5		1260	Rathbun Dam	SC	Appanoose	40 49 30	92 53 33		965		
Lamoni	SC	Decatur	40 37 24	93 57 3		1128	Red Oak	SW	Montgomery	41 0 13	95 14 31		1040		
Lamoni Airport	SC	Decatur	40 37 50	93 54 3		1135	Remsen #2	NW	Plymouth	42 48 37	95 58 30		1330		
Le Claire L & D 14	EC	Scott	41 34 29	90 24 2		577	Rock Rapids	NW	Lyon	43 25 48	96 10 7		1347		
Le Mars	NW	Plymouth	42 46 54	96 8 45		1320	Rock Valley	NW	Sioux	43 12 16	96 18 22		1246		
Little Sioux 2 NW	WC	Harrison	41 49 35	96 3 2		1025	Rockwell City	WC	Calhoun	42 23 49	94 37 45		1224		
Logan	WC	Harrison	41 38 17	95 47 18		1030	Sac City	WC	Sac	42 25 10	94 58 34		1210		
Lorimor	SC	Union	41 7 29	94 3 5		1230	Saint Ansgar	NC	Mitchell	43 22 54	92 55 24		1139		
Lowden	EC	Cedar	41 51 23	90 55 48		715	Salem 1 S	SE	Henry	40 50 8	91 37 20		650		
Manchester #2	NE	Delaware	42 28 24	91 27 6		990	Sanborn	NW	O' Brien	43 10 45	95 39 37		1551		
Mapleton #2	WC	Monona	42 9 43	95 47 1		1200	Sheldon	NW	O' Brien	43 10 51	95 51 10		1420		
Maquoketa 4 W	EC	Jackson	42 2 58	90 44 56		782	Shenandoah	SW	Page	40 46 2	95 22 48		975		
Marshalltown	C	Marshall	42 3 53	92 55 28		871	Sibley	NW	Osceola	43 24 17	95 44 54		1529		
Marshalltown Airport	C	Marshall	42 6 38	92 54 58		974	Sidney 1 SSE	SW	Fremont	40 44 10	95 38 35		1140		
Mason City	NC	Cerro Gordo	43 9 47	93 11 43		1105	Sigourney	SE	Keokuk	41 19 58	92 11 51		800		
Mason City Airport	NC	Cerro Gordo	43 9 16	93 19 37		1225	Sioux Center 2 SE	NW	Sioux	43 3 21	96 9 9		1360		
Moline Airport		Rock Island, IL	41 27 55	90 31 24		592	Sioux City Airport	WC	Woodbury	42 23 29	96 22 45		1095		
Montezuma 1 W	C	Poweshiek	41 35 1	92 32 59		965	Sioux Falls	Minnehaha, SD		43 34 40	96 45 14		1428		
Monticello	EC	Jones	42 14 28	91 10 24		820	Sioux Rapids 4 E	NW	Buena Vista	42 53 35	95 3 55		1420		
Mount Ayr	SC	Ringgold	40 42 19	94 14 34		1180	Spener Airport	NW	Clay	43 9 52	95 12 6		1338		
Mount Pleasant 1 SSW	SE	Henry	40 56 55	91 33 53		730	Spencer 1 N	NW	Clay	43 9 55	95 8 48		1326		
Muscatine	EC	Muscatine	41 24 27	91 4 22		549	Spirit Lake 4 W	NW	Dickinson	43 25 53	95 10 56		1430		
Muscatine 2 N	EC	Muscatine	41 28 17	91 3 47		680	Stanley 3 WSW	NE	Buchanan	42 38 0	91 51 48		1114		
Nashua 2 SW	NC	Floyd	42 56 13	92 34 13		1059	Storm Lake	NW	Buena Vista	42 38 49	95 11 36		1442		
New Hampton	NE	Chickasaw	43 2 43	92 18 44		1148	Strawberry Point	NE	Clayton	42 41 7	91 31 57		1200		
Newton	C	Jasper	41 42 42	93 1 47		960	Swea City 4 W	NC	Kossuth	43 24 8	94 22 59		1239		
Northwood	NC	Worth	43 26 19	93 13 31		1190	Swisher	EC	Johnson	41 50 59	91 40 35		790		
Oakland	SW	Pottawattamie	41 18 16	95 23 4		1260	Toledo 3 N	C	Tama	42 2 8	92 34 50		949		
Oelwein 1 E	NE	Fayette	42 40 48	91 52 30		1165	Tripoli	NE	Bremer	42 48 45	92 15 27		960		
Omaha Eppley Airport		Douglas, NE	41 18 37	95 53 57		982	Underwood	SW	Pottawattamie	41 23 22	95 40 52		1080		
Orange City	NW	Sioux	43 0 2	96 3 14		1380	Vinton	EC	Benton	42 10 13	92 0 28		850		
Osage	NC	Mitchell	43 16 46	92 48 38		1170	Washington	SE	Washington	41 16 57	91 42 28		687		
Osceola	SC	Clarke	41 1 10	93 45 1		1028	Washta	NW	Cherokee	42 34 26	95 43 48		1160		
Oskaloosa	SE	Mahaska	41 19 17	92 38 48		830	Waterloo Airport	NE	Black Hawk	42 33 16	92 24 4		868		
Ottumwa Airport	SE	Wapello	41 6 28	92 26 48		842	Webster City	C	Hamilton	42 28 7	93 47 50		1170		
Pella 1 S	SC	Marion	41 22 34	92 55 13		780	Williamsburg 1 E	EC	Iowa	41 39 54	91 59 52		810		
Perry	C	Dallas	41 50 22	94 6 38		965	Winterset 1 S	SC	Madison	41 18 22	94 1 6		1104		
Pocahontas	NW	Pocahontas	42 43 45	94 39 41		1212	Zearing	C	Story	42 10 1	93 18 35		1116		
Postville	NE	Allamakee	43 5 24	91 33 29		1165									

# REFERENCE NOTES

## DEFINITIONS

STATION NAMES: Name of the city or locality. Figures and letters following the station name indicate the distance and direction from the post office or town community center.

NORMALS: The average of the meteorological element over the period from 1981 to 2010. Normals are calculated by the National Climatic Data Center and are revised once every 10 years. The precipitation and snowfall normals are strictly an average of the values recorded during the 1981-2010 period. However, temperature and degree day normals may have been adjusted to better correspond to the current (as of 2010) temperature measurement practice and thus may vary slightly from the average of the original 30-year values.

DEGREE DAYS: One heating (cooling) degree day is accumulated for each whole degree that the daily mean temperature [average of the daily maximum and minimum air temperature] is BELOW (ABOVE) 65°F. Degree days are used to provide a measure of the effect of temperature upon energy consumption for heating or cooling of homes or buildings. The greater the heating (cooling) degree day total, the greater the amount of energy needed to heat (cool) your home or building.

PRECIPITATION: Values shown in hundredths of an inch are water equivalent totals, i.e., total of liquid (rain) and melted frozen (snow, sleet, hail) precipitation. The snowfall data tables include the unmelted depth of snow and sleet in tenths of an inch. The depth of snow on the ground (SN ON GROUND) refers to the depth of all snow or ice (new or old). This 'Snow on Ground' value is the depth of snow on the ground at the time of the precipitation observation at all stations *except*: Burlington, Davenport, Des Moines, Dubuque, Mason City, Moline, Omaha, Ottumwa, Sioux City and Sioux Falls Airports where the snow depth is measured at 6 a.m. CST while the new snowfall is that for the 24 hour period ending at midnight. Daily precipitation and snowfall amounts are for the 24 hours ending at the time of observation (given in the 'OBS TIME' column). An asterisk in the daily precipitation table indicates that the rain gage was not read that day. A multi-day precipitation total is included in the amount immediately following the asterisks.

TEMPERATURE: The daily maximum (MAX) and minimum (MIN) temperatures are recorded for the 24 hours ending at the time of observation. The significance of the time of observation in interpreting these data is discussed in the preceding paragraph.

TIME OF OBSERVATION: At most locations measurements of temperature and precipitation are made only once daily at the same hour of the day. This time is referred to as the 'Time of Observation' and is given in the 'OBS TIME' column of the data tables. All observations, unless otherwise noted, are for the 24 hour period ending at the time of observation. Note that in most cases the resulting data are not for calendar day (i.e., midnight-to-midnight) periods and further that the temperature observations may be made at a different time than the precipitation observation at the same station. See the PRECIPITATION paragraph in this section for a further explanation of the significance of the time of observation. All times are expressed on a 24-hour clock (i.e., 7 a.m. = 7; 5 p.m. = 17; midnight = 24, etc.).

## SYMBOLS USED IN THE DAILY AND MONTHLY DATA TABLES.

'  ' Underlined data in the daily temperature, precipitation and snowfall tables indicates that the data in question has been estimated. Estimated data are provided when the original measurements are not available or are of suspect accuracy.

*ITALICS*. Data given in italics in the daily precipitation or snowfall tables indicate that the date on which the precipitation was reported has been changed from what was given on the original reports.

'+' A plus sign in the monthly summarized data tables indicates that the temperature or precipitation extreme given also occurred on one of more earlier dates during the month.

BLANK ENTRIES: Blank entries in the monthly summarized data table indicates that no data are available. Blank entries in the daily precipitation and snowfall data tables indicates that no precipitation was recorded. M = missing, no data recorded.

## ABBREVIATIONS:

TMP DEP NOR:	Temperature departure from the 1981-2010 normal.
EXT MAX:	Extreme maximum temperature for the month and the day on which it was measured.
EXT MIN:	Extreme minimum temperature for the month and the day on which it was measured.
MAX 90+:	Number of days with maximum temperatures which were greater than or equal to 90°F.
MAX 32-:	Number of days with maximum temperatures which were less than or equal to 32°F.
MIN 32-:	Number of days with minimum temperatures which were less than or equal to 32°F.
MIN 0°:	Number of days with minimum temperatures which were less than or equal to 0°F.
14/15 SEAS:	2014-2015 season (July 1, 2014 through the end of the published month).
NOR SEAS:	Normal number of degree days through the end of the published month.
DEP NORM:	Monthly precipitation total departure from 1981-2010 normal.
EXT DAY:	Extreme one-day precipitation amount and the day on which it occurred.
.01+:	Number of days with precipitation of 0.01 inch or greater.
.10+:	Number of days with precipitation of 0.10 inch or greater.
1.00+:	Number of days with precipitation of 1.00 inch or greater.
MAX ON GRD:	Maximum depth of accumulated snow on the ground (inches) and the day on which it was measured.
OBS TIME:	Observation Time: The time (24-hour clock) at which the daily temperature and/or precipitation measurement is made (7 = 7 a.m.; 17 = 5 p.m.; 24 = midnight).
DIV:	Climate Division: NW = northwest, NC = north central, etc.
LAT:	Latitude in degrees and minutes north.
LON:	Longitude in degrees and minutes west.
T:	Trace: < 0.005" of precipitation; < 0.05" snowfall or < 0.5" snow on ground.

